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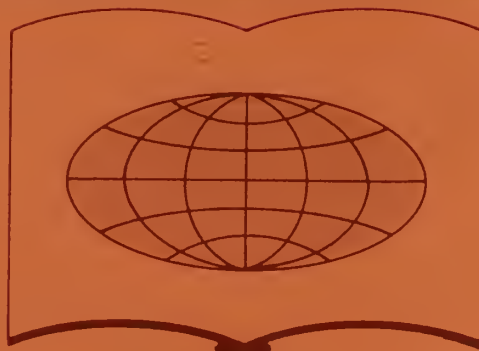
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Pesticides DOCUMENTATION BULLETIN

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Volume 4
JULY 5, 1968

Number 14



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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

July 5, 1968

Number 14

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural, ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

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The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

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10 ENTOMOLOGY

Systematics

- 14019-68
A RECORD OF CANOPS FLAVIPES L (DIPT., CONOPIDAE)
PARASITIZING VESPULA RUFA (L.).
T S Arnold
Entomol Mon Mag 103(1232-1234):70
Jan 1967 421 EN86
Conops flavipes, Parasitic insects, Vespula rufa.
- 14020-68
FOUR NEW SPECIES OF MONOJOURBERTIA FROM ONE SPECIES OF BIRD
(ANALGOIDEA: PROCTOPHYLLIDIDAE).
W T Atyeo
Kans Entomol Soc J 40(4):458-465
Oct 1967 420 K13
Birds, Insect taxonomy, Monojoubertia, Parasitic insects.
Abstract
- 14021-68
TWO NEW FEATHER MITE GENERA WITH POLYMORPHIC MALES
(ANALGOIDEA: PROCTOPHYLLIDIDAE).
W T Atyeo
Kans Entomol Soc J 40(4):465-471
Oct 1967 420 K13
Anisophyllodes, Feathers, Insect taxonomy, Mites, Parasites,
Ptyctophyllodes.
Abstract
- 14022-68
THE FEATHER MITE GENUS LAMINALLOPTES (PROCTOPHYLLIDIDAE:
ALLOFTINAE).
W T Atyeo & C Peterson
Kans Entomol Soc J 40(4):447-458
Oct 1967 420 K13
Birds, Feathers, Insect taxonomy, LaminallOPTES, Mites,
Parasites.
Abstract
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MEMOURIDAE OF ASSAM (PLECOPTERA). (FR)
J Aubert
Schweiz Entomol Ges Mitt 39(3/4):209-253
15 Apr 1967 420 SW6
Memouridae.
Includes n. spp. in Protonemura, Amphinemura, and
Nemoura.
- 14024-68
ANTICIPATED CHANGES IN PHYSICAL AND BIOTIC ECOLOGICAL FAC-
TORS WHICH WILL EFFECT THE PRESENT STATUS OF THE INSECT AND
ANIMAL TESTS IN THE DISTRICT OF LAKE NASSER.
M El S Ayyub
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Culicidae, Dams, Ecology, Egypt, Insect pests, Wildlife.
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SIRLING SPECIES IN THE GENUS TETRAMESA (WALKER)
(HYM., EURYTOMIDAE).
R Bailey
Entomol Mon Mag 103(1232-1234):45-52
Jan 1967 421 EN86
Eurytomidae, Gall-making insects, Grasses, Tetramesa.
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SCHE OBSERVATIONS ON PREDATION IN AN ANYSTID MITE.
W V Baker
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Anystis, Insects, Predaceous mites.
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HOST DISCRIMINATION IN PSEUDEUCOILA BOCHREI (HYMENOPTERA:
CYNIPIDAE).
K Bakker & N Ragcbee & R Van Znet & Meelis
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Cynipidae, Drosophila melanogaster, Parasitic insects,
Pseudeucoila bochei.
German summary
- Abstract
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AEHA CARTRIDGE-TYPE ASPIRATORS.
W W Barnes & W Southwick
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Culicidae, Insect collecting equipment.
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A SPECIMEN OF AEDES TRIBAULTI COLLECTED NEAR BELLEVILLE,
ONTARIO.
P Belton & E French
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Aedes tribaulti.
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THE BLACK FLIES OF JAPAN AND KOREA. (DIPTERA: SIMULI-
IDAE). QLS31.B4.
W C Bentinck
23 P. TOKYO 406TH MEDICAL GENERAL LABORATORY
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Insect taxonomy, Simuliidae.
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MELICERIA RAFFR AND CYRTOPLECTUS NORM. (COL. PSELAPH-
IDAE). (FR)
C Resucbet
Schweiz Entomol Ges Mitt 39(1/2):49-58
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Cyrtoplectus, Meliceria.
Includes M. italica, n. sp.
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A NUMERICAL TAXONOMY OF ORTHOPTEROID INSECTS.
R E Blackith & R M Blackith
Australian J Zool 16(1):111-131 REF
Feb 1968 410 A073
Dermaptera, Insect taxonomy, Neuroptera, Orthoptera.
Abstract: Two methods were used, phylogenetic ideas and
a strictly phenetic approach. Methods were used with spec-
ial problems arising in comparing higher taxa. Chiefly,
Australian orthopteroids were used. A total of 92 charac-
ters served as a basis for the calculations.
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ON THE TWO SPECIES OF BRUCHIDIUS (COLEOPTERA: BRUCHIDAE)
ESTABLISHED IN NORTH AMERICA.
L J Bottimer
Can Entomol 100(2):139-145 REF
Feb 1968 421 C16
Bruchidius ater, Cytisus scoparius, Host specificity,
Insect rearing.
- 14034-68
AN IMPROVED PORTABLE RESTING STATION FOR ANOPHELES
QUADRIMACULATUS SAY.
S G Breeland & W Glasgow
Mosquito News 27(1):5-9 REF
Mar 1967 421 M85
Anopheles quadrimaculatus, Insect collecting equipment.
Abstract: An improved artificial resting device for Ano-
pheles mosquitoes made of cloth and a wooden frame more
portable and less expensive than the red box type is de-
scribed. In field tests they gave consistently higher
counts of A. quadrimaculatus than counterpart red boxes
when competitively compared.
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R A Ernst & S Kalpage
Mosquito News 27(1):117-118 REF
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Aedes, Insect biology.
A. abstratus, A. triseriatus, A. detritus, and A. barri.
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A NEW SPECIES OF MYRMECOPHILOUS COCCINELLIDAE, WITH NOTES
ON OTHER HYPERASPINI (COLEOPTERA).
E A Chapin
Psyche 73(4):278-283
Dec 1966 421 P95
Acacia, Coccinellidae, Hyperaspis acanthicola,
Insect taxonomy, Myrmecophilous insects, Pseudomyrmex.

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DISTRIBUTION AND PARASITIZATION OF SOME LYGUS SPP IN
WESTERN UNITED STATES AND CENTRAL MEXICO.

D W Clancy

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Apr 1968 421 J822

Braconidae, Leiothrips pallipes, Lygus, Parasitism,
Zoogeography.

14038-68

TEMPORAL DISSOCIATION AND POPULATION REGULATION IN CERTAIN
HESPERIINE BUTTERFLIES.

H K Clench

Ecology 48(6):1000-1006, AUTUMN REF

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Butterflies, Demography, Hesperidae, Insect ecology.

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NOTE ABOUT THE GENUS EUPTYCHIA (S.L.) (LEP.SATYRIDAE). (FR)

H De Lesse

Lamhillionea 66(5/6):34-39

25 Apr 1967 420 N15

Euptychia, Satyridae, Ypthimoides caliginosa.

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SEPTENFASCIATA SEVILLI).

G J W Dean

Entomol Soc Southern Afr J 30(1):1-17 REF

Jun 1967 420 EN86

Cynodon, Dinitroresol, Echinochloa, Insect migration,
Insect outbreaks, Nomadacris septemfasciata.

Abstract

14041-68

A NEW SPECIES OF ERISTALIS FROM EASTERN SLOVAKIA (DIP-
TERA, SYRPHIDAE). (GE)

Z Dolezin B Rozkosny

Acta Ent Bohemoslov 64(3):219-223

1967 420 C33

Eristalis stackelbergi, Syrphidae.

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REVISION OF THE CENTRAL EUROPEAN SPECIES OF THE FAMILY
STRATIOMYIDAE (DIPTERA) WITH SPECIAL CONSIDERATION OF THE
FAUNA OF CSSR. IV. (GE)

J Dasek B Rozkosny

Acta Ent Bohemoslov 64(2):140-165

1967 420 C33

Diptera, Insect taxonomy, Stratiomyidae.

14043-68

A NEW SPECIES OF SURICATOECUS (MALLOPHAGA:
THICHODACTIDAE) FROM THE CONGO.

K C Emersson B D Price

Kans Entomol Soc J 40(4):608-609

Oct 1967 420 K13

Insect taxonomy, Mallophaga, Mongoose,
Suricatoecus congoensis.

14044-68

REDESCRIPTION AND CLASSIFICATION OF THE SCALE INSECTS OF THE
FAMILY DIASPIDIDAE, ORIGINALLY DESCRIBED BY W. J. BALL
FROM EGYPT.

Y M Ezzat S A Afifi

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1966 420 EG9

Diaspididae.

14045-68

A TRAP BASED ON VISUAL RESPONSES OF ADULT MOSQUITOES.

B W Eay

Mosquito News 28(1):1-7 REF

Mar 1968 421 M85

Aedes aegypti, Color, Culicidae, Insect behavior,
Insect traps.

Abstract: The swarming reaction of adult male Ae. aegypti
in close proximity to certain colored objects had been
utilized in the design of a battery-driven suction trap
that shows considerable promise as an indoor surveillance
tool. Adult females are attracted to the trap also, ap-
parently in response to the male swarm.

14046-68

CONTRIBUTION TO THE STUDY OF CURCULIONIDAE FROM
GUADELOUPE (COL.). DESCRIPTION OF TWO NEW SPECIES OF
APION. (FR)

M Ferragu

Soc Entomol France Bull 72(7/8):255-258

Sep 1967 420 F84B

Apion hustachei, Apion kissingeri, Curculionidae,
Insect taxonomy.

Includes key

14047-68

TAXONOMY OF FINAL-INSTAR LARVAE OF THE HYMENOPTEROUS AND
DIPTEROUS PARASITES OF ACROBASIS SPP. (LEPIDOPTERA: PIR-
CITIDAE) IN THE OTTAWA REGION.

T Finlayson

Can Entomol 90(12):1233-1271 REF

Dec 1967 421 C16

Acrobasis, Diptera, Host specificity, Hymenoptera,
Insect anatomy, Parasitism.

Abstract

14048-68

SOME EFFECTS OF THE BIG-HEADED ANT ON POPULATIONS OF THE
PINK SUGARCANE MEALYBUG.

S S Flinker E W Huddleston J W Beardsley

J Econ Entomol 61(2):474-477 REF

Apr 1968 421 J822

Anagyrus saccharicola, Beneficial insects, Insect populations,
Parasitism, Pheidole megacephala, Saccharicoccus sacchari.

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TWO NEW SPECIES OF NOCTUIDS (LEPIDOPTERA, NOCTUIDAE,
NOCTUINAE).

J G Franclemont

Entomol Soc Wash Proc 69(2):97-102

Jun 1967 420 W27

Abagrotis alampeta, Anicla cecilia, Insect taxonomy,
Noctuidae.

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RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES
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ALBANIAN LOCALITIES. (GE)

G Friese

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1967 421 B392

Expeditions, Insects.
English summary.

14051-68

RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES
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SCOLIIDAE. (GE)

G Friese W H Muehe

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1967 421 B392

Expeditions, Insect taxonomy, Scoliidae.
English summary.

14052-68

THE SYSTEMATIC STATUS OF SOME GENERA OF THE HELIODINIDAE/
SCHRECKENSTEINIIDAE TOGETHER WITH A REVISION OF THE
PALEARCTIC SPECIES OF THE GENUS PANCALIA CURTIS, 1830
(LEPIDOPTERA). (GE)

B Gaedike

Beitr Entomol 17(3/4):363-374

1967 421 B392

Heliodinidae, Insect taxonomy, Panalia, Schreckensteiniidae.
Includes n. sp.
English and Russian summaries.

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NOTES ON THE GENUS THECODIPLOPSIS KIEFFER IN NORTH
AMERICA, AND SOME GENERIC REASSIGNMENTS (DIPTERA:
CECIDOMYIIDAE).

B J Gagne

Entomol Soc Wash Proc 69(4):338-339

Dec 1967 420 W27

Cecidomyiidae, Gall-making insects, Insect taxonomy,
Thecodiplosis.

14054-68

LIODES (OREOSPHEERULA) BITIDA SEDLICAENSIS SSP. N. FROM
CZECHOSLOVAKIA (COLEOPTERA, LIODIDAE). (GE)

J Gottwald

Acta Ent Bohemoslov 64(3):232-234

1967 420 C33

Coleoptera, Liodes.

14055-68

NEW SPECIES OF ARDEICOLA CLAY, 1935 (MALLOPHAGA:
ISCRNOCEA).

K P Rajala B K Tandan

Noy Entomol Soc London Proc Ser B Taxonom 36(5-6):71-78

27 Jun 1967 420 L84PB

- Ardeicoia, Birds, Mallopbaga.
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A SYSTEMATIC REVISION AND BIOLOGICAL REVIEW OF THE CECIDOMYIID PREDATORS (DIPTERA: CECIDOMYIIDAE) ON WORLD COCCOIDEA (HEMIPTERA: HOMOPTERA).
K M Harris
Roy Entomol Soc London Trans 119(13):401-494
23 Jan 1966 420 L84
Cecidomyiidae, Coccoidea, Insect biology, Nipponodiplosis, Predaceous insects, Vincentodiplosis.
Includes n. gen., n. spp.
- 14057-68
OCCURRENCE OF TOXORHYNCHITES RUTILUS SEPTENTRIONALIS (DYAR AND KNAE) IN INDIANA.
J W Hart
Mosquito News 28(1):118 REF
Mar 1968 421 M85
Culex pipiens, Feeding, Habitats, Insect biology, Predaceous insects, Toxorhynchites rutilus.
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MODIFICATION OF THE ICE WATER METHOD FOR HARVESTING ANOPELES AND CULEX PUPAE.
E I Hazard
Mosquito News 27(1):115-116 REF
Mar 1967 421 M85
Culicidae, Insect collecting equipment, Pupae.
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TEMPERATURE RESPONSES OF THE PERIODICAL "17-YEAR" CICADA, MAGICICADA CASSINI (HOMOPTERA, CICALIDAE).
J E Heath
Amer Midland Natur 77(1):64-76 REF
Jan 1967 410 M58
Cicadidae, Flight, Insect behavior, Magicicada, Oviposition, Sex behavior, Stridulation, Temperature.
Abstract: Periodical cicadas are basking animals and reach body temperatures exceeding air temperature. They possess behavioral regulatory mechanisms to prevent the body temperature from exceeding about 32 C. They are unable to fly below 20 C. Some activities of cicadas are temperature dependent, notably flight of males, singing and synchronized chorusing. Other activities are relatively more independent, especially flight of females, copulation and oviposition.
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Expeditions, Tenthredinoidea.
English summary
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TACHINIDAE COLLECTIONS FROM CENTRAL SWISS JURA TENT TRAPS. (GE)
B Herting
Schweiz Entomol Ges Mitt 39(3/4):191-198
15 Apr 1967 420 S46
Insect traps, Tachinidae.
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SEX RATIOS OF PLATYPUS (COLEOPTERA: PLATYPODIDAE).
L A Battrick
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Forest insects, Platypus, Sex.
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I Heyrovsky
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Cerambycidae, Expeditions.
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DANISH LEPIDOPTERA. Q1555 .D4B6. (DA)
S Hoffmeyer
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1960
Insect taxonomy, Lepidoptera.
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THE WATER MITES PARASITIC ON THE DAMSELFLY, CERCION HIEROGLYPHICUM BRAUER. I. SYSTEMATICS AND LIFE HISTORY.
T Imamura R Mitchell
Annot Zool Jap 40(1):28-36 REF
Mar 1967 410 AN79
Arrenurus, Biology, Cercion hieroglyphicum, Hydrachnellae, Taxonomy.
Abstract: Arrenurus mitoensis n. sp. is described and the larvae of that species and A. agrionicolus are discussed. Observations of parasitized hosts show that the larvae are active from May to November and thus there must be two or three life cycles completed per year. At the time of ecdysis of the damselfly host A. agrionicolus attach to the ventro-lateral membranes of the host abdomen and A. mitoensis attaches on the venter near the leg bases. The latter species will also attack mature damselflies as they rest or oviposit on floating vegetation. No other species of Arrenurus is known to attack hosts after ecdysis.
- 14066-68
DIFFERENCES IN INSECT ABUNDANCE AND DIVERSITY BETWEEN WETTER AND DRIER SITES DURING A TROPICAL DRY SEASON.
D B Janzen T W Schoener
Ecology 49(1):96-110 REF WINTER
1968 410 EC7
Forest insects, Habitats, Insect ecology, Insect populations, Metamorphosis, Precipitation, Predatory animals, Temperature.
- 14067-68
A REVISION OF THE PAPUAN PARADOXOSOMATIDAE (DIPLOPODA, POLYDESMIDA) IN THE MUSEO CIVICO DI STORIA NATURALE AT GENOA.
C A W Jeckel
Tijdschr Entomol 110(11):343-379
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Paradoxosomatidae.
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RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT. 69TH CONTRIBUTION. COLEOPTERA: MELOIDAE. (GE)
Z Kaszab
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Expeditions, Meloidae.
English summary.
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Z Kaszab
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Expeditions, Tenebrionidae.
English and Russian summaries.
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AN UNDESCRIBED SPECIES OF PHYTOSEIUS FROM CALIFORNIA (ACARINA: PHYTOSEIIDAE).
C E Kennett
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Blackberries, Insect taxonomy, Phytoseius californicus.
- 14071-68
ON THE GENUS RHIPIRRUCRUS BRIDWELL, WITH DESCRIPTIONS OF A NEW SPECIES AND A CLOSELY RELATED NEW GENUS (COLEOPTERA: BRUCHIDAE: BRUCHINAE).
J M Kingsolver
Entomol Soc Wash Proc 69(4):318-327
Dec 1967 420 W27
Bruchidae, Insect taxonomy, Pectinibruchus longiscutis, Rhipibruchus.
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NEW FLEAS FROM MADAGASCAR, PARACTENOPSYLLUS RANDRIANASOLOI N SP, P ALRIGNACI N SP AND DINOPSYLLUS TSARATANANAE N SP. (SIPHONAPTERA). (FR)
J M Klein
Soc Entomol France Bull 72(9/10):300-310
Nov 1967 420 P84R
Dinopsyllus tsaratananae, Insect taxonomy, Madagascar Republic, Paractenopsyllus albignaci, Paractenopsyllus randrianasoloi, Sipbonaptera.

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ROOPHILUS KOHLSI BOOGSTRAAL AND KAISER 1960 (ACARINA: IXODIDAE). LIFE CYCLE AND MORPHOLOGY OF LARVA. (GE)
G Kohler G Hoffmann
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1967 442.8 Z33F
Biology, *Roophilus kohlsi*, Ixodidae, Larvae, Morphology.
English and German abstracts
Abstract

14074-66

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OF THE ALBANIAN ENTOMOLOGICAL RESEARCH. (GE)
E Konigsmann
Beitr Entomol 17(3/4):435-457
1967 421 B392
Bibliography, Entomology, Expeditions.
English summary.

14075-68

STENOPOTERIDS (STENOPTERODUS) COTTICUS NOV. SPEC., A NEW
GRASSHOPPER FROM THE FRENCH ALPS (ORTHOPTERA, ACRIDIDAE).
G Kruseman C A W Jeckel
Entomol Ber 27(1):1-7
01 Jan 1967 420 N38E
Stenopterus coticus.

14076-68

SARCOPTIC MANGE (SARCOPTES TAPIRI NOV. SPEC.) OF TAPIR
(TAPIRUS TERRE STEIS L.). (GE)
E Kutzer W Grunberg
Z Parasitenk 29(1):46-60
1967 442.8 Z33F
Mange, Sarcoptes tapiri, Taxonomy, Wildlife.
English and German abstracts
Abstract

14077-68

INTERESTING CATCHES OF HYMENOPTERA-ACULEATA, CHIEFLY FROM
SOUTHERN LIECHTENBERG. (DU)
V Lefebvre
Entomol Ber 26(11):209-211
01 Nov 1966 420 N38E
Aculeata.
English summary.

14078-68

SPECIES NEW FOR THE BELGIAN PADNA. (FR)
A Legrain
Lamillionea 66(5/6):33-34. (CONT.)
25 Apr 1967 420 N15
Sterra ochrata.

14079-68

CATALOG OF NEDERLANDS MACROLEPIDOPTERA. 14TH SUPPLEMENT.
(DU)
R J Lempe
Tijdschr Entomol 110(10):223-342
1967 421 T21
Geometridae, Lepidoptera, Macrolepidoptera.
English summary.
Abstract

14080-68

MIGRATING LEPIDOPTERA IN 1965. (DU)
R J Lempe
Entomol Ber 26(11):195-203
01 Nov 1966 420 N38E
Insect migration, Lepidoptera.
English summary.

14081-68

BIONOMICS OF CERCERIS SIMPLEX GRAPICA AT LAKE TEXOMA
(HYMENOPTERA: SPHECIDAE: PHILANTHINAE).
C S Lin
Entomol Soc Wash Proc 69(4):312-317 REF
Dec 1967 420 W27
Cerceris simplex, Insect biology, Insect ecology,
Predaceous insects, Sphecidae.
Abstract

14082-68

NEW AND LITTLE KNOWN PALEARCTIC SPECIES OF THE GENUS
SCAPHOSOMA LEACH (COL., SCAPHIDIIDAE). 18. CONTRIBUTION
TO THE KNOWLEDGE OF THE SCAPHIDIIDAE. (GE)
I Lohr
Acta Ent Bohemoslov 64(210015-111
1967 420 C33
Scaphidiidae, Scaphosoma.

Includes *S. inopinatum* n. sp.

14083-68

A COLLAPSIBLE, PORTABLE VEHICLE-MOUNTED INSECT TRAP.
V A Loy C S Barnhart A A Therrien
Mosquito News 28(1):84-87 REF
Mar 1968 421 M85
Culicidae, Insect collecting equipment, Insect traps,
Vehicles.

14084-68

THE LARVA AND PUPA OF DEMEIJEREA RUFIPES (L.) (DIPT.,
CHIRONOMIDAE).
P S Maitland
Entomol Mon Mag 103(1232-1234):53-57 REF
Jan 1967 421 EN86
Chironomidae, Demeijerea rufipes, Insect taxonomy, Larvae,
Pupae.

14085-68

PHOTOACTIC RESPONSE OF FIRST-INSTAR LARVAE OF THE PINK
BOLLWORM TO LIGHT OF DIFFERENT WAVELENGTHS.
C L Mangum W O Ridgway
J Econ Entomol 61(2):396-398
Apr 1968 421 J822
Infrared rays, Larvae, Pectinophora gossypiella, Phototropism,
Ultraviolet rays.
Abstract

14086-68

RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES
ENTOMOLOGISCHES INSTITUT. 63RD CONTRIBUTION. DIPTERA:
LIMONIIDAE. (GE)
B Mannheims
Beitr Entomol 17(3/4):459-476
1967 421 B392
Expeditions, Gonomyia friesi, Insect taxonomy, Limoniidae.
Includes key and a n. sp.
English summary.

14087-68

THREE SPECIES OF NOCTUIDAE NEW FOR CSSR (LEPIDOPTERA). (CZ)
J Marek J Stary
Acta Ent Bohemoslov 64(3):238-239
1967 420 C33
Lepidoptera, Noctuidae, Zoogeography.
German summary.
Caradrina terrea, C. gilva, and Calophasia platyptera.

14088-68

CONTRIBUTIONS TO THE KNOWLEDGE OF THE LITORIDIIDS
(CHILOPODA--LITORIDIIDS) OF CROATIA (YUGOSLAVIA). (FR)
Z Matic M Teodoreanu
Biol Glas 19(1-2):1-10 REF
1966 510 Z1B
Chilopoda, Taxonomy.
Abstract in french and slovenian.

14089-68

MORPHOLOGY OF THE NERVOUS SYSTEM OF THE NOCTUID LARVAE
PRODENIA LITURA FABR AND TRICHOPLISIA NI HERNER.
L M L Mathur
Indian J Entomol 29(1):25-33 REF
Mar 1967 420 IN23
Caterpillars, Insect morphology, Nervous system,
Prodenia litura, Trichoplusia ni.
Abstract

14090-68

CONTRIBUTIONS TO THE KNOWLEDGE OF THE SCOLOPENDROMORPHIDAE
(SCOLOPENDROMORPHA, CHILOPODA) OF CROATIA. (FR)
Z Matic
Biol Glas 19(1-2):19-26 REF
1966 510 Z1B
Chilopoda, Scolopendromorpha, Taxonomy.

14091-68

THE DISCOVERY OF LISTROPHORUS LEUCKARTI PAGENSTECHER ON
MICROTUS PENNSYLVANICUS PENNSYLVANICUS FROM NORTH
AMERICA (ACARINA: LISTROPHORIDAE).
B McDaniel J P Shoemaker S J Joy
Entomol Soc Wash Proc 69(4):340-343
Dec 1967 420 W27
Listrophorus leuckarti, Mites, Rodents, Taxonomy.

14092-68

DESCRIPTION OF A NEW GENUS AND SPECIES OF
TRIMENOPONIDAE FROM PANAMA (MALLOPHAGA).
E Mendez
Entomol Soc Wash Proc 69(3):287-291, MAP

- Sep 1967 420 W27
Hoplomyzophilus nativus, Insect taxonomy, Mallophaga, Rats,
Trixenoponidae.
- 14093-68
A ZOO FOR INSECTS? SCIENTIST'S SUGGESTION.
R I Metcalf
Aerial Appl 5(4):9
Apr 1967 333.8 AE8
Insects, Wildlife conservation, Zoological gardens.
- 14094-68
POLYREDROM SIZE AS TAXONOMIC CRITERION FOR
CYTOPLASMIC-ECYREDROSIS VIRUS.
J E Milstead
J Invertebrate Pathol 9(3):446-447
Sep 1967 421 J826
Insect diseases, Polyhedroses, Taxonomy.
- 14095-68
DIFFERENT INFECTION RESPONSE OF SILKWORM LARVAE TO THE
LOCALITY OF CYTOPLASMIC-POLYREDROSIS VIRUS INJECTION.
S Miyajima S Kawase
J Invertebrate Pathol 9(3):441-442
Sep 1967 421 J826
Bcabyx mori, Caterpillars, Insect diseases, Polyhedroses.
- 14096-68
SOME ESCOPIERA FROM PLUMAGE OF BIRDS.
E L Mckicrd
Entomol Soc Wash Proc 69(4):307-309
Dec 1967 420 W27
Birds, Feathers, Escoptera.
- 14097-68
DESCRIPTION OF HAEMATOPOTA SCUTELLATA TOGETHER WITH REMARKS
ABOUT THE GENUS HAEMATOPOTA BEIG. IN CZECHOSLOVAKIA
(DIPTERA, TABANIDAE). (GE)
J Houcha M Chvala
Acta Ent Bohemoslov 64(3):224-231
1967 420 C33
Haematopota, Tabanidae.
- 14098-68
PRELIMINARY TAXONOMICAL STUDY OF THE FEMALES OF SOME SPECIES
OF THE GENUS ANDRENA OCCURRING IN EGYPT (HYMENOPTERA:
AFIDIDAE-ANDRENAIDAE).
M A Mcustafa M M Ibrahim
Soc Entomol Egypte Bull 49:123-131
1966 420 EG9
Andrena.
- 14099-68
ECOLOGICAL STUDIES ON THE RESTING STAGE OF THE PINK BOLL-
WORM IN EGYPT (LEPIDOPTERA:CELEBRIDAE).
El S A Nasr
Soc Entomol Egypte Bull 49:75-78
1966 420 EG9
Insect ecology, Mortality, Pectinophora gossypiella,
Soil moisture, Temperature.
- 14100-68
CALISCHEIS BERNELLII (IATREILLE), A EUROPEAN GENUS OF
ISSIDAE NEW TO THE UNITED STATES (HOMOPTERA:
PULGORIDAE).
L E O'Brien
Pan-Pacific Entomol 43(2):130-133
Apr 1967 421 F193
Caliscelis bernellii, Insect biology, Insect taxonomy,
Zoogeography.
- 14101-68
TAXONOMY AND DISTRIBUTION OF EUROPEAN AND NEAR EASTERN
SPECIES OF THE TABANUS BOVINUS GROUP (DIPTERA, TABAN-
IDAE). (GE)
M G Olsufjev J Houcha M Cavala
Acta Ent Bohemoslov 64(4):303-313
1967 420 C33
Tabanus.
Russian summary.
include n. sp. and n. ssp.
- 14102-68
MACHIEIDOPTERA IN CENTRAL LIMBURG IN 1965. (DU)
C Ottenbeijns
Entomol Ber 26(11):211-212
01 Nov 1966 420 N38R
Lepidoptera.
English summary.
- 14103-68
MARKING CULEX PIPIENS LINN. LARVAE WITH VITAL DYES FOR
LARVAE ECOLOGICAL STUDIES.
T M Feters R I Chevone
Mosquito News 28(1):24-28 REF
Mar 1968 421 M85
Culex pipiens, Dyes, Insect ecology, Larvae.
- 14104-68
A PORTABLE MOSQUITO TRAP FOR USE WITH A RANTAM FOWL.
J S Pillai F N MacNamara
Mosquito News 28(1):87-90 REF
Mar 1968 421 M85
Chickens, Culicidae, Insect collecting equipment,
Insect traps.
- 14105-68
THE IDENTITY OF ANTHOMYIA MELANIA DUFOUR, 1839 (DIPTERA:
FANNIIDAE).
A C Pont
Beitr Entomol 17(3/4):325-328
1967 421 B392
Fannia melania, Insect taxonomy.
- 14106-68
A NEW GENUS OF THE TRACHYSPIRUS GROUP FROM SOUTHERN
BRAZIL (HYMENOPTERA, ICHNEUMONIDAE).
C C Porter
Psyche 74(3):218-223
Sep 1967 421 P95
Ichneumonidae, Insect taxonomy.
- 14107-68
A NEW BORSE-FLY OF THE GENUS CHRYSOPS (DIPTERA:
TABANIDAE) FROM EAST AFRICA.
G Pringle
Roy Entomol Soc London Proc Ser B Taxonom 36(5-6):69-70
27 Jun 1967 420 L84PR
Chrysops hubbardi, Tabanidae.
- 14108-68
DESCRIPTIVE NOTES ON ORNITHODOROS TICKS FROM GULL NESTS
ON THE FARALLON ISLANDS AND ISOLATION OF A VARIANT OF
RUGHES VIRUS.
F J Radovsky D Stiller R N Johnson C M Clifford
J Parasitol 53(4):890-892
Aug 1967 44R-R JR24
Birds, Gulls, Insect taxonomy, Ornithodoros, Viruses.
- 14109-68
A NEW SPECIES OF PLEOTRICHOPHORUS FROM BRITISH COLUMBIA
(HOMOPTERA: APRIDIDAE).
W R Richards
Can Entomol 100(2):195-197
Feb 1968 421 C16
Aphididae, Insect morphology, Pleotrichophorus.
Abstract
- 14110-68
TWO NEW ERETHAPODITES FROM CAMEROON, APPERTAINING TO THE
OEDIPODIUS GRAHAM 1909 GROUP (DIPT. CULICIDAE). (FR)
A Rickenbach L Ferrara J P Eoufan
Soc Entomol France Bull 72(9/10):297-300
Nov 1967 420 F84B
Culicidae, Eremapodites caillardi, Eremapodites salauni,
Insect taxonomy.
- 14111-68
RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES
ENTOMOLOGISCHES INSTITUT. 6RTB CONTRIBUTION. HYMENOPTERA:
APIDAE. III. (GENUS NOMADA SCOPOLI). (GE)
M Schwarz
Beitr Entomol 17(3/4):529-535
1967 421 B392
Expeditions, Insect taxonomy, Nomada, Nomada lucidula.
English summary.
- 14112-68
A SURVEY OF THE INSECT FAUNA IN CERTAIN AREAS OF THE NURIAN
REGION IN U.A.R.
F Shalaby M M Ibrahim M Rafez
Soc Entomol Egypte Bull 49:201-205
1966 420 EG9
Insects, Surveys, Zoogeography.
- 14113-68
OCCURRENCE OF AEDES ABSERRATUS (FELT AND YOUNG) AND
CULISETA MORSITANS (THEOBALD) IN INDIANA.
R E Siverly
Mosquito News 27(1):116 REF

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Mar 1967 421 M85
Aedes atseriatus, *Culiseta morsitans*, Insect ecology, Larvae.

14114-68

DICNOPSIS CP GROTEA CALIFORNICA CHESSON, WITH A
 DESCRIPTION OF THE LARVA AND PUPA.
 C N Slobodchikoff
 Pan-pacific Entomol 43(2):161-168
 Apr 1967 421 F193
Grotea californica, Ichneumonidae, Insect ecology,
 Insect taxonomy, Larvae, Pupae.

14115-68

THE CZECHOSLOVAKIAN SPECIES OF THE GENUS ANCIROPHOBUS
 KHAATZ (COL., STAFR.). 76. CONTRIBUTION TO THE KNOWLEDGE
 OF THE STAPHYLINIDAE. (GE)
 A Smetana
 Acta Ent Bohemoslov 64(5):383-391
 1967 420 C33
Ancirophobus, Insect taxonomy, Staphylinidae.
 Includes *A. taticus* and *A. rivularis*, n. spp., key.

14116-68

UOLICHOOTES NAVEI, A NEW GENUS AND NEW SPECIES OF
 PYEMOTID MITE (ACARINA: PYEMOTIDAE).
 R L Soley
 Entomol Soc Wash Proc 69(4):334-337
 Dec 1967 420 W27
Uolichootes navei, Insect taxonomy, Mites, Pyemotidae.

14117-68

THE BIOLOGY AND TAXONOMY OF THE GENUS STYLOGASTER
 MACQUART, 1835 (DIPTERA: CONOPIIDAE, STYLOGASTERINAE)
 IN THE ETHIOPIAN AND MALAGASY REGIONS.
 K G V Smith
 Roy Entomol Soc London Trans 119(2):47-69 REF
 27 Jun 1967 420 L84
Stylogaster.

14118-68

A LIST OF MISSOURI MOSQUITOES.
 L W Smith & R Enns
 Mosquit News 28(1):50 REF
 Mar 1968 421 M85
 Culicidae, Missouri.

14119-68

STRUCTURE OF THE LABELLAR CHEMORECEPTORS OF THE HOUSE FLY,
MUSCA DOMESTICA VICINA (L.) (DIPTERA: MUSCIDAE).
 S A Scliman
 Soc Entomol Egypte Bull 49:233-241 REF
 1966 420 E69
 Chemoreceptors, Insect anatomy, Mouth, *Musca domestica*.

14120-68

INCIDENTAL CAPTURE OF VERTEBRATE WILDLIFE IN BLACKLIGHT
 INSECT TRAPS.
 P A Stewart & L Bart
 Amer Midland Natr 78(1):235-240 REF
 Jul 1967 410 M58
 Bats, Birds, Fluorescent lamps, Frogs, Insect traps,
 Light traps, Vertebrates, Wildlife conservation.
 Abstract: Fluorescent blacklight traps, a promising method
 for aiding in control of some insect pests, caused limited
 mortality of wildlife when a study was made in North
 Carolina and Virginia of their effectiveness for control-
 ling tobacco insects. This loss of wildlife might be re-
 duced because traps are customarily placed near human homes
 to allow easy access to electric power, and thus home occu-
 pants can easily give the traps regular attention. Under
 such circumstances, loss of birds should be negligible. Be-
 cause people generally have little interest in conserving
 bats, the limited loss of bats cannot readily be controlled.
 Bat mortality can be restricted by delaying operation of
 the traps until after 1 June. Capture of the tree frogs
 appeared to be fortuitous event.

14121-68

A NEW SUBGENUS FOR *LEUCOPIS LUTEICORNIS* MALLOCH, A
 PREDATOR OF BEETLE EGGS IN INDIA (DIPTERA: CHAMAENYIIDAE).
 G C Steyskal
 Entomol Soc Wash Proc 69(3):275-276
 Sep 1967 420 W27
Leucopis (Indioleuccpis), Predaceous insects, Pseudococcidae.

14122-68

THREE SPECIES OF CPILIONES FROM NEPAL.
 S Szuzuki
 Annot Zool Jap 40(2):115-122 REF
 Jun 1967 410 AN79

Phalangida, Taxonomy.

Abstract: The present paper deals with the taxonomy of 3
 opilionids belonging to the subfam. Gagrellinae of the fam.
 Leiohannidae, Eupnoi from Nepal, including 2 new species,
Verpulus kanoi n. sp. and *Adungrella atrorubra* n. sp.

14123-68

NEW PLANT LOUSE SPECIES (HOMOPTERA: APHIIDAE) FROM
 HUNGARY. (GE)
 H Szelegiewicz
 Acta Zool (Budapest) 13(3-4):433-444
 1967 410 AC85
 Aphididae, Insect taxonomy, *Semiaphis horvathi*.

14124-68

THE ECOLOGY OF COLD HARDINESS IN DIFFERENT POPULATIONS OF
 THE BLACK CURRANT GALL MITE, *CECIDOPHYTOSIS RIBIS*.
 G Taksdal
 Entomol Exp Appl 10(3):377-386
 1967 421 EN895
Cecidophyes ribis, Cold, Currants, Insect ecology, Mortality,
 Ovulation, Zoogeography.
 German summary
 Abstract

14125-68

STUDIES ON THE MORPHOLOGY AND RELATIONSHIPS OF MALE
APIOMORPHA AND *OFISTHOSCELIS* (HEMIPTERA: COCCOIDEA).
 J G Theron
 Australian J Zool 16(1):87-99 REF
 Feb 1968 410 AU73
Apiomorpha, Coccoidea, Insect morphology, *Opisthoscelis*.
 Abstract: The males of these genera differ in structure of
 their abdomens. Both belong to the lecanoid group of the
 coccoidae. They show some affinity with *eriococcidae*, esp-
 ecially in structure of genitalia.

14126-68

THREE NEW SPECIES OF TETRANYCHOID MITES (ACARINA:
 TETRANYCHIDAE AND TENUIPALPIDAE) FROM MISSOURI.
 S E Thewke
 Kans Entomol Soc J 40(4):583-595
 Oct 1967 420 K13
Beerella petiolaris, *Brevipalpus*, Insect taxonomy,
 Tenuipalpidae, Tetranychidae.
 Abstract

14127-68

SOYBEAN CYST NEMATODE. PROPOSED QUARANTINE IN INDIANA,
 FLORIDA, AND LOUISIANA.
 Fed Regist 33(58):4927-4928
 23 Mar 1968 L1.451
 Agricultural products, Heterodera glycines,
 Interstate commerce, Quarantine, Soils, Soybeans.

14128-68

JAPANESE BEETLE. PROPOSED QUARANTINE IN ALABAMA AND CERTAIN
 OTHER STATES.
 Fed Regist 33(58):4927
 23 Mar 1968 L1.451
 Composts, Interstate commerce, *Popillia japonica*, Quarantine,
 Roots, Soils.

14129-68

GIPSY MOTH AND BROWN-TAIL MOTH. PROPOSED QUARANTINE IN
 PENNSYLVANIA.
 Fed Regist 33(58):4926-4927
 23 Mar 1968 L1.451
 Interstate commerce, *Nygmia phaeorrhoea*, *Porthetria dispar*,
 Quarantine, Shrubs, Timber, Trees.

14130-68

CEREAL LEAF BEETLE. PROPOSED QUARANTINE IN ILLINOIS AND
 CERTAIN OTHER STATES.
 Fed Regist 33(58):4926
 23 Mar 1968 L1.451
 Corn, Grain, Grasses, Interstate commerce, *Oulema melanopa*,
 Quarantine.

14131-68

ON THE THERAPHOSID SPIDER, *CHILOBRACHYS ANDERSONI*, FROM
 THAILAND. (JA)
 T Uyemura
 Acta Arachnologica 20(2):37-45 REF
 20 Mar 1967 434.8 AC8
 Anatomy, Chilobrachys, Spiders, Stridulation.
 English abstract.
 Abstract: The spiders were *Chilobrachys andersoni*, sub-
 family *Selenocosmiae*; description and habits are
 included.

14132-66

ADDITIONAL DATA ON SOME GENERA AND SPECIES OF ACRIDIDAE (CRTHOPTERA, ACRIDIDEA) FROM THE INDO-MALAYAN REGION.
E. Willersee
Tijdschr Entomol 110(12):381-397 REF
1967 421 T21
Acrididae.
Abstract

14133-66

ADDITIONS TO THE LIST OF Aedes SPECIES IN PENNSYLVANIA.
W. Wills V. McElhattan
Mosquito News 28(1):108-109 REF
Mar 1968 421 M85
Aedes, Culicidae, Pennsylvania, Zoogeography.

14134-66

NEW RECORDS AND A NEW SPECIES OF MESONYSSUS (MESOSTIGMATA: BRINONYSSIDAE) FROM PARROTS (PSITTACIFORMES: PSITTACIDAE).
N. Wilcox
J Parasitol 54(2):395-401
Apr 1968 448.t J824
Mesonyssus, Mesonyssus chalcopsittae, Parrots, Taxonomy.

14135-66

IXODES DENDROLAGI (METASTIGMATA, IXODIDAE), A NEW SPECIES OF TICK FROM FREE KANGAROOS (MARSUPIALIA, MACROPODIDAE) IN NEW GUINEA.
N. Wilcox
J Parasitol 53(4):847-851
Aug 1967 448.t J824
Insect taxonomy, Ixodes dendrolagi, Ixodidae, Kangaroos, Wildlife.
Abstract

14136-66

RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT. 67th CONTRIBUTION. HYMENOPTERA: POMPILIDAE AND CEROPIALIDAE. (CE)
H. Wolf
Beitr Entomol 17(3/4):521-527
1967 421 E392
Ceropidae, Expeditions, Pompilidae.
English summary.

14137-66

WESTERN MEDITERRANEAN SPECIES OF THE GENUS ANOSPILUS BAUF 1929 (HYM. POMPILIDAE). (CE)
H. Wolf
Schweiz Entomol Ges Mitt 39(1/2):1-32
15 Sep 1966 420 S46
Anospilus.
Includes Meganospilus, Lannganospilus, and Remianospilus, n. subgen., as well as n. spp. and n. ssp.; keys.

14138-66

NEW RECORDS OF TWO CURCULIONID BEETLES IN NORTH CAROLINA.
C. I. Wray
Entomol News (Philadelphia) 7R(9):226-227
Nov 1967 421 EN88
Curculionidae, Gymnetron antirrhini, Rylobius pinicola.

14139-66

THREE NEW SPIDERS (ARGICPE, ROETHUS AND CISPIUS) FROM JAPAN. (JA)
T. Yaginuma
Acta Arachnologica 20(2):50-64 REF
20 Mar 1967 434.8 AC8
Morphology, Spiders, Taxonomy.
English and Japanese abstracts.

14140-68

EUTOGENES PUNCTATA N. SP. (ACAFINA: CHEYLETIDAE).
M. A. Zaher Z. B. Sciban
Soc Entomol Egypte Bull 49:65-66
1966 420 EG9
Eutogenes punctata, Phoenix dactylifera.

14141-66

OLIOGONYCHUS VITIS N. SP. (ACAFINA: TETRANYCHIDAE).
M. A. Zaher K. K. Shehata
Soc Entomol Egypte Bull 49:67-69
1966 420 EG9
Grapes, Oligonychus vitis.

Physiology and Biochemistry

14142-68

MOSQUITO TALK EQUIPMENT, METHODS, AND PROBLEMS AT NEW ORLEANS SESSION.
Pest Contr 36(5):56-58,60,62-63
May 1968 449.8 EX8
Aerial spraying, Culicidae, Helicopters, Insect control.

14143-68

HONEY BEE VISIT NUMBERS AND WATERMELON POLLINATION.
W. C. Adlerz
J Econ Entomol 59(1):28-30
Feb 1966 421 J822
Apis mellifera, Watermelon.

14144-68

BIOLOGY AND ECOLOGY OF TICKS (IXODOIDEA) FROM THE IVORY COAST. (FR)
A. Aeschlimann
Acta Trop 24(4):281-405 REF
1967 475 AC8
Insect ecology, Ixodoidea, Parasitism.
English and German summaries
Abstract

14145-68

FEEDING BY RETICULITERMES SPP ON RADIATION-PROCESSED WOOD-PLASTIC COMBINATIONS.
C. E. Affeltranger
J Econ Entomol 61(2):398-401
Apr 1968 421 J822
Feeding, Methacrylate, Methacrylic acid, Modified wood, Reticulitermes flavipes.
Abstract

14146-68

THE EVOLUTION OF GENITALIA AND MATING BEHAVIOR IN CRICKETS (GRILLIDAE) AND OTHER ORTHOPTERA.
R. D. Alexander D. Otte
Mich Univ Mus Zool Misc Publ 133,62 P. REF
17 Nov 1967 410.9 M58M
Gryllidae, Insect evolution, Orthoptera, Reproductive organs, Sex behavior.

14147-68

INDIVIDUALLY HUMIDIFIED CLOSED PLASTIC CAGES FOR REARING ANOPHELINE MOSQUITOES.
N. E. Alger
Mosquito News 28(1):121-122
Mar 1968 421 M85
Anopheles, Humidity, Insect cages, Insect rearing equipment.

14148-68

PROCEDURE USED TO RECOVER A SEX ATTRACTANT FOR THE MALE TO-RACCC ROENWORM.
N. Allen W. S. Kinard M. Jacobson
J Econ Entomol 55(3):347-351
Jun 1962 421 J822
Insect collecting equipment, Larvae, Manduca quinquemaculata, Sex attractants.

14149-68

EFFECT OF DESICCATION ON THE LIGHT REACTIONS OF CARPOPHILUS DIMIDIATUS AND TRIOLITHUM CASTANEUM.
T. G. Amos F. L. Waterhouse
Entomol Exp Appl 10(3):329-336
1967 421 EN895
Carpophilus dimidiatus, Drying, Humidity, Light, Tribolium castaneum.
French summary
Abstract

14150-68

EFFECTS ON THREE SPECIES OF GRAIN APIDS (HOMOPTERA: APRIDIDAE) REARED ON WHEAT, OATS OR BARLEY AND TRANSFERRED AS ADULTS TO WHEAT, OATS OR BARLEY.
J. U. Apablaza A. G. Robinson
Entomol Exp Appl 10(3):358-362
1967 421 EN895
Barley, Grain, Insect rearing, Macrosiphum avenae, Oats,

10 14151-68

- Rhopalosiphum maidis*, *Schizaphis graminum*, Wheat.
French summary
Abstract
- 14151-68
ACARICIDAL AGENTS. PATENT 3,378,437.
H Arndt W Steinhausen
US Patent Office Office Gaz 849(3):782
16 Apr 1968 156.65 CP2
Acaricides, Pesticides, Plant pest control, Toluidine compounds.
- 14152-68
STEMPELLIA MAGNA (KULO) (NOSEMATIDAE: MICROCSPICRIDIA) IN
CULEX RESTUANS THEOBALD FROM VIRGINIA.
D L Bailey W Barnes R W Dewey
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Culex restuans, Insect diseases, Larvae, Nosematidae,
Stempellia magna.
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POSSIBLE MIMICRY BETWEEN CERTAIN CARABIDAE AND
CHRYSEMELIDAE.
E U Balstaugh
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CICUS (COLEOPTERA: CURCULIONIDAE).
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Cryptolestes turcicus, Methyl bromide, Oviposition,
Parasitism, Reproduction.
Abstract
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NATURAL ENEMY DESTRUCTION AS THE CAUSE OF OUTBREAKS.
E B Bartlett
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Aphis gossypii, Beneficial insects,
Chemical control (insects), Insect outbreaks, Insecticides,
Natural control (insects), Tetranychus urticae.
Abstract
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HIBERNATION SITE AND DISPERSAL OF SPRUCE BUDWORM LARVAE AS
RELATED TO DAMAGE OF SAFFRON BALSAM FIR.
H O Batzer
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Abies balsamea, Choristoneura fumiferana, Forest insects,
Hibernation, Insect dissemination.
Abstract
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THE EFFECT OF ILLUMINATION AND POOL BRIGHTNESS ON
OVIPOSITION BY CULEX RESTUANS (THEOB.) IN THE FIELD.
P Belton
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Color, Culex restuans, Insect behavior, Light, Oviposition,
Phototropism.
Abstract: Artificial pools in a natural woodland environ-
ment received more than three times as many egg rafts of C.
restuans when lined with black as opposed to translucent
polyethylene film. Illumination at night of either type of
pool with an intensity similar to that received during the
day prevented oviposition.
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AREAS OF LOUISIANA.
G W Bennett W T Spink
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Blattella germanica, Chlordane, Diazinon, Dieldrin,
Insecticide resistant insects,
Isopropoxyphenyl methylcarbamate, o-, Malathion.
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J R Blowers V C Moran
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Citrus, Insect morphology, Psyllidae, Reproductive organs,
Trioza erythrae.
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Musca domestica, Sense organs.
German summary
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R A Brust K S Kalpage
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Aedes aberratus, Insect biology, Insect rearing, Temperature.
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R E Bry L L McDonald J E Lang
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Barthrin, Dimethrin, Mothproofing.
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Trichlorfon.
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Apis mellifera, Oxidodecenoic acid, 9-, Sex attractants,
Sex behavior.
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LOUISIANA LAR TAKES INTENSIVE LOOK AT PARASITES FOR MOSQUITO CCNIFCI.
H C Chapman T B Clark J J Petersen D B Woodard
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H C Chapman D B Woodard J J Petersen
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Chaoridae, Corethrella trakeleyi, Culicidae, Insect diseases, Nematodes, Parasitism.
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H C Chapman J J Petersen D B Woodard T B Clark
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Ceratopogonidae, Insect diseases, Hymenoptera, Nematodes, Nematidae, Parasitism, Protozoa, Viruses.
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COMPARISON OF TWO ARTIFICIAL DIETS FOR REARING RELIOTHIS ZEA LARVAE FOR INSECTICIDE TESTS.
A R Chanthani F L Adkisson
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Reliothis zea, Insect nutrition, Insect rearing.
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Abstract
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Abstract: The virus was recorded in all examined organs: oesophagus with dorsal and ventral diverticles, ventriculus with intestine, lymph salivary glands, ovaries, Malpighian tubules and ganglia. The highest amount of virus was detected in ventriculus with intestine, the lowest in the Malpighian tubules.
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Reproductive organs, Rhodnius prolixus, Secretion.
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R B Davis B G Hightower D A Alley J E Turner E Lopez
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Aerial pest control, Biological control (insects), Cochliomyia hominivorax, Insect eggs, Sterility.
Abstract
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Chrysopa californica, Insect behavior, Insect nutrition, Predaceous insects.
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R M Fanst J R Adams A M Heimpel
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Racillus thuringiensis, Bombyx mori, Caterpillars, Intestines, Secretions, Toxins.
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D J Galley
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Absorption (biological), Fumigants, Gases, Musca domestica, Nicotine, Velocity.
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Abstract
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Nervous system, Reproduction, Tenebrio molitor.
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1966 420 E81
Insect behavior, Reviews, Sex behavior.

14227-68

PRECOCIOUS TERMINATION OF OBLIGATORY DIAPAUSE IN FIELD-COL-
LECTED FUFEE OF ANTHEFAA POLYPHEMUS.

A Mansingh E N Swallman
Can Entomol 100(2):134-139
Feb 1968 421 C16

Antheraea polyphemus, Diapause, Insect mortality.
Abstract

14228-68

VEGETATIVE PREDATION ON THE JACK-PINE BUDWORM IN MICHIGAN.

W J Mattson P E Knight D C Allen J L Poltz
J Econ Entomol 61(1):229-234 REF
Feb 1968 421 J822

Birds, *Choristoneura pinus*, Forest insects,
Insect populations, Mammals, Predatory animals.
Abstract

14229-68

EFFECT OF DIET ON THE LIPID COMPOSITION OF THE COCKROACH
ELAEFFUS DISCOIDALIS.

J L McGuire A E S Gnsin
Compar Biochem Physiol 22(2):427-433 REF
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Biochemistry, *Blattella discoidalis*, Chromatography, Diet,
Fat body, Fatty acids, Lipids.
Abstract

14230-68

THE INFLUENCE OF THREE INSECTICIDES ON PREDATION OF THE PEAR
PSYLLA, PSYLLA PYRICOLA.

E D McMillen C Jong
Can Entomol 99(12):1292-1297
Dec 1967 421 C16

Azinphosmethyl, Ddt, Insecticides, *Psylla pyricola*, *Ryania*.
Abstract

14231-68

THE RELATION BETWEEN SOIL WATER TENSION AND GROWTH RATE OF
LARVAE OF TIPULA OLERACEA AND T PALUDOSA (DIPTERA) IN
TUBE.

A Meats
Entomol Exp Appl 10(3):312-320
1967 421 EN895

Growth factors, Larvae, Soil moisture, *Tipula oleracea*,
Tipula paludosa, Infr.
German summary
Abstract

14232-68

MORPHOLOGICAL AND BIOLOGICAL INVESTIGATIONS OF CLONES AND
FIELD POPULATIONS OF THE GREEN-LECKED POTATO APRID,
AULACRHEUM SOLANI KLTE 1843 SENSU LATIGRE (HEMIT).

APRIL. (6E)
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English summary.

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AND INCIDENCE ON DAIRY CATTLE.

T A Miller R E Treece
J Econ Entomol 61(1):250-257 REF
Feb 1968 421 J822

Dairy cattle, Insect behavior, Insect nutrition,
Insect physiology, *Musca autumnalis*, Ovaries.
Abstract

14234-68

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Jap J Appl Entomol Zool 11(4):177-181
Dec 1967 475 J27
Chilo, Iridescent virus.
English summary
Abstract

14235-68

ON THE BIOLOGY OF THE SOUTH AFRICAN CITRUS PSYLLA,
TRIOZA ERYTREA (DEL GUERCIO) (HOMOPTERA: PSYLLIDAE).

V C Moran J R Howers
Entomol Soc Southern Afr J 30(1):96-106 REF
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Citrus, Insect biology, *Psyllidae*, *Triozas erytrae*.
Abstract

14236-68

A NEW BRACONID PARASITE OF THE POTATO TUBERWORM
(HYMENOPTERA).

C E W Mesebeck
Entomol Soc Wash Proc 69(2):177-178
Jun 1967 420 W27
Braconidae, Insect taxonomy, *Orgilus lepidus*,
Parasitic insects, *Phthorimaea operculella*.

14237-68

A CULTURE METHOD FOR MYMECOPHILUS ROOT APIDS.

D A Muir
Bull Entomol Res 51(1):7-8
Apr 1960 421 B87
Aphididae, Culture media, Formicidae, *Myrmecophilus* insects.

14238-68

SYNERGISM OF MALATHION AGAINST THE NORTHERN FOWL MITE.

T E Nelson K M B Berton
J Econ Entomol 58(6):1117-1118
Dec 1965 421 J822
Insecticide resistant insects, Insecticide synergists,
Malathion, *Ornithonyssus sylvarum*.

14239-68

PRELIMINARY REPORT OF THE EFFECTS OF BACTERIAL SPECIES UPON
THE EUROPEAN CORN BORER.

D R Nesbitt R L Zimmack
J Econ Entomol 61(2):462-464
Apr 1968 421 J822
Bacteria, Insect diseases, *Ostrinia nubilalis*.
Abstract

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WASHINGTON.

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J Econ Entomol 59(5):1120-1123
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Aldrin, Insecticide resistant insects, *Limoni californicus*.

14241-68

THE ARTIFICIAL FEEDING OF PHOSPHAMIDON TO MYZUS PERSICAE:

I. INTRASPECIFIC DIFFERENCES EXHIBITED BY THIS APRID ON
FEEDING THROUGH A PARAFILM MEMBRANE.
W R Parry J E Ford
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1967 421 EN895
Feeders, Feeding, *Myzus persicae*, Phosphamidon.
French summary
Abstract

14242-68

NUCLEAR POLYEDROSIS OF THE GRAM POD BORER, RELIOTHIS
ARMIGERA.

R C Patel P E Patel
J Econ Entomol 61(1):191-193
Feb 1968 421 J822
Heliothis armigera, Insect diseases, Insect rearing,
Polyhedroses.
In a laboratory insect rearing study.
Abstract

14243-68

HOUSE-FLY ADENOSINETRIPHOSPHATASES AND THEIR INHIBITION BY
INSECTICIDAL ORGANOTIN COMPOUNDS.

G R Pieper John E. Casida
J Econ Entomol 58(3):392-400, RI8L. 399-400
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Adenosinetriphosphatase, Insecticides, *Musca domestica*,
Organotin compounds.

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Agr Chem 23(5):33,36-37
May 1968 3E1 AG8
Adelges, Bacillus thuringiensis, Choristoneura, Dendroctonus,
Forest insects, Insect control, Insect pests, Zectran.
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A NOTE ON THE OVIPOSITION OF SIMULIUM (S.) ARGYREATUM
MEIGH.
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Entomologist (London) 100 (1248):121-123
May 1967 421 EN8
Insect behavior, Cuckulation, Simulium argyreatum.
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THE PHOSPHOLIPASE AND GELATINASE ACTIVITY OF GRAM-NEGATIVE
BACTERIA ISOLATED FROM DISEASED INSECTS, AND TYING OF
STRAINS OF SEBASTIA MARCESCENS.
B E Frinslee
J Invertebrate Pathol 9(3):420-427 REF
Sep 1967 421 J826
Bacteria, Gelatinase, Insect diseases, Phospholipase,
Sebastia marcescens.
Abstract
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FERTILIZATION IN THE SCORPION ISOMETRUS MACULATUS DE GEER
(EURIDAE). (GE)
P Probst
Rev Suisse Zool 47(3):616-619
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Isometrus maculatus, Reproduction.
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PARASITES OF THE LEAF ROLLERS ARCHIPS ARGYROSPILUS AND A
GRISSEUS IN CONNECTICUT.
B J Prokopy
J Econ Entomol 61(2):346-352 REF
Apr 1968 421 J822
Apples, Archips argyrospilus, Archips griseus, Connecticut,
Hymenoptera, Parasitic insects, Tachinidae.
Abstract
- 14249-68
HISTOLOGICAL CHANGES IN PLUSIA CRICHALCEA CAUSED BY
BACILLUS THURINGIENSIS.
N Ramakrishnan L D Tiwari
J Invertebrate Pathol 9(4):579-580
Dec 1967 421 J826
Bacillus thuringiensis, Insect diseases, Insect histology,
Plusia crichalcea.
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NOTES ON THE TOXICITY OF A COMMERCIAL PREPARATION OF
BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER
ON SOME LEPIDOPTERA AND TENTREDINIDAE LARVAE.
J Rantapaa
Ann Agr Fenn 6(2-3):103-105 REF
1967 20 AN7
Athalia colibri, Bacillus thuringiensis,
Biological control (insects), Larvae, Lepidoptera,
Pieris brassicae, Plutella maculipennis, Priophorus tristis,
Pteronix ribesii, Tentredinidae.
English and Finnish abstracts.
Abstract: The toxicity of the commercial B. thuringiensis
preparation Bictrol RTR, proc. 183, containing 25 x 109
spores per gram, to the larvae of Plutella maculipennis,
Pieris brassicae, Athalia colibri, Pteronix ribesii and
Priophorus tristis, was tested in the laboratory. At each
rate of application (0.5, 1, 2 and 3 grams per square
metre) the powder caused the death of the P. maculipennis
larvae within 2-3 days and the death of P. brassicae larvae
within 5-6 days. The effect of the preparation upon the
sawfly larvae was slower, and some of these pupated. Never-
theless, 63-100 percent of the A. colibri larvae died
within 7 days, 83 percent of the P. ribesii larvae within
5 days and 82 percent of the P. tristis larvae within 13
days.
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NOTES ON THE LIFE HISTORY OF ALEOCHARA BILINEATA (GYLL.)
(COLEOPTERA:STAPHYLINIDAE), AND ON ITS POTENTIAL VALUE AS
A CONTROL AGENT FOR THE CRABAPPLE MAGGOT, HYLEMYA BRASSICAE
(BOUCHE) (LIFTERA: ANTHOMYIIDAE).
D C Read
Can Entomol 94(4):417-424, IRL. 423-424
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Aleochara bilineata, Hylemya brassicae, Parasitic insects.
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APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF
HYMENOPTERA.
P L Robertson
Australian J Zool 16(1):133-166 REF
Feb 1968 410 AU73
Hymenoptera, Insect morphology, Insect physiology,
Poison glands, Reproductive organs.
Abstract: Principally Australian species considered, and
relationship between venom apparatus and accessory reproduc-
tive glands of other insects is given. Evidence is present-
ed of evolutionary continuity among hymenopterous groups.
Major changes of form in components of apparatus is related
to what is known of changes in functions.
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AN AUTOGENOUS GYNANDROMORPH OF CULEX TARSALIS COQ.
R Rosay
Moscrito News 28(1):120 REF
Mar 1968 421 M85
Culex tarsalis, Gynandromorphism, Insect morphology.
- 14254-68
ANATOMY AND HISTOLOGY OF RODOLIA CARDINALIS MULS.
(COLEOPTERA COCCINELLIDAE). (II)
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Portici Lab Entomol Agr Filippo Silvestri Boll 24:247-307 REF
1966 420 PR2E
Insect anatomy, Insect histology, Rodolia cardinalis.
English summary.
- 14255-68
EVALUATION OF THE EFFECTIVENESS OF SOME ORGANOPHOSPHORUS
INSECTICIDES AGAINST TWO SPECIES OF APHIDS.
R S Saini
Indian J Entomol 29(1):34-43 REF
Mar 1967 420 IN23
Aphididae, Aphis gossypii, Chili, Cotton, Cruciferae,
Diazinon, Eggplant, Ryadaphis pseudobrassicae,
Insecticide application, Methyl demeton, Mevinphos, Okra,
Parathion.
Abstract
- 14256-68
SELECTION OF PUPATION SITE BY DROSOPHILIA MELANOGASTER AND
D. SIMULANS.
D D Sameoto R S Miller
Ecology 49(1):177-180 WINTER
1968 410 EC7
Drosophila melanogaster, Drosophila simulans, Humidity,
Insect behavior, Insect populations, Larvae.
Abstract: D. melanogaster and D. simulans larvae were
tested to determine their choice of pupation site in re-
lation to larval density and moisture content of the
medium.
- 14257-68
CHANGES IN THE CONTENTS IN RESPECT TO THE ENERGY
PRODUCING RESERVE MATERIAL DURING THE CASI DIFFERENTIATION
OF FORMICA POLYCTENA FOERST (INS. HYM.). (GE)
G R Schmidt
Biol Zentralbl 86(1):5-66 REF
Jan 1967 442.8 E523
Biochemistry, Formica polyctena, Insect physiology,
Respiration.
English and German summaries
Abstract
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OBSERVATIONS ON CULEX PIPIENS LARVAE INFESTED WITH
VORTICELLA SF.
R Schöber
Moscrito News 27(4):523-524 REF
Dec 1967 421 M85
Culex pipiens, Insect diseases, Larvae, Protozoa.
- 14259-68
PAROUS/MULLIFAROUS CONDITION OF UNFED ANOPHELES GAMBIAE AND
ANOPHELES FUNESTUS CAPTURED IN EXIT TRAPS.
L S Self C P Pant
Moscrito News 28(1):62-64 REF
Mar 1968 421 M85
Anopheles funestus, Anopheles gambiae, Feeding,
Insect behavior, Reproduction.
Abstract: During August through October 1966, approxi-
mately 40.9 percent of the anophelines leaving village huts
near Kaduna in Northern Nigeria were macroscopically
classified as unfed. Simple age-grouping of unfed A. gam-
biae and A. funestus indicated that 56.1 percent and

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- 35.9 percent respectively were nulliparous. A small percentage of the nulliparous and parous specimens of both species were found to have blood in the stomach when examined microscopically.
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Anatomy, Insect taxonomy, Nematostomatidae, Phalangida.
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W A Smircic & Cantin
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Sep 1967 421 J826
Bacillus cereus, Facillus thuringiensis, Gamma rays, Insect diseases, Irradiation.
B. thuringiensis varieties
Abstract
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Experimental insects, Insect rearing.
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HYDROGEN ION CONCENTRATION (PH) AS RELATED TO THE OCCURRENCE AND ABUNDANCE OF TREE-HOLE DWELLING COLICOIDES SPP. (DIPTERA: CEBATOCERCINIDAE IN NORTHERN FLORIDA.
W W Smith & J H Varnell
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Dec 1967 421 M85
Culicoides, Forest insects, Hydrogen-ion concentration.
- 14264-68
PREVIOUSLY UNREPORTED ACCESSIONS FOR DIAGNOSIS AND NEW RECORDS.
E A Steinhaus & A Marsh
J Invertebrate Pathol 9(3):436-438
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Entomogenous fungi, Insect diseases, Viruses.
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THE SYNCHRONIZATION OF THE LIFE CYCLE OF DIAPAUSING FACE FLIES, MUSCA AUTUMNALIS, AND OF THE NEMATODE, HETEROTYLENCHUS AUTUMNALIS.
J G Stoffolano
J Invertebrate Pathol 9(3):395-397
Sep 1967 421 J826
Heterotylenchus autumnalis, Insect biology, Musca autumnalis, Nematodes, Parasitism.
Abstract
- 14266-68
NEMATODE PARASITE (HETEROTYLENCHUS SP.) OF FACE FLY IN NEW YORK STATE.
J G Stoffolano Jr & E Nickle
J Econ Entomol 59(1):221-222
Feb 1966 421 J822
Biological control (insects), Heterotylenchus, Musca autumnalis, Nematodes, Parasitic insects, Parasitic nematodes, Parasitism.
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REARING METHODS FOR STUDYING THE EFFECT OF THE PHYSIOLOGICAL CONDITION OF THE HOST PLANT ON THE POPULATION DEVELOPMENT OF PANONYCHUS ULMI (KCCH).
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Wageningen Inst Plantenziektenkundige Onderz Mededel 7(2):79-85 EEE
1965 464.9 W123
Apples, Arthropod rearing, Diet, Nitrogen, Plant physiology, Tetranychus urticae.
English and Italian abstracts
Abstract: To study the relationships between a phytophagous pest and its host plant, spider mite is reared on leaves of one year old apple rootstocks growing in a gravel-culture on feeding solutions with various nitrogen levels. The difficulties met in these experiments are discussed. Also some data concerning the rearing of Tetranychus urticae on an artificial diet are given.
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Acyrtosiphon pisum, Insect behavior.
German summary
Abstract
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INFECTION OF CULTURED SILKWORM EMBRYOS WITH THE CYTOPLASMIC-POLYHEUROSIS VIRUS. (JA)
T Takami H Sugiyama T Kitazawa T Kanda
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Bombyx mori, Insect diseases, Polyhedroses.
English summary
Abstract
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A CHROMOSOME STUDY OF TWO PARTHENOGENETIC SCOLYTID BEETLES.
Y Takenouchi K Takagi
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Jun 1967 410 AN79
Chromosomes, Parthenogenesis, Xyleborids.
Abstract: Chromosomes in cleavage and germ cells of Xyleborus germanus and X. compactus, were studied. Special emphasis was given to parthenogenetic reproduction. Females which developed from fertilized eggs were diploid, while males derived from unfertilized eggs were haploid. In males, the first and second divisions in germ cells were mitotic. They showed no evidence of abortive division. The two species propagate by haploid parthenogenesis. This is the first to be recorded for Scolytidae.
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Insect behavior, Mansonia perturbans, Sex behavior, Swarming.
Abstract: Swarms of Mansonia perturbans (Walker) were witnessed within an oak-maple forest near Madison, Wisconsin, at sunset on two evenings in late June, 1961. Swarming, mating, and feeding occurred simultaneously on both evenings. Mating took place in flight and was not observed outside of swarms.
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Heterotylenchus autumnalis, Musca autumnalis, Nematodes, Parasitism.
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Diacrisia chligua, Endosulfan, Insect pests, Insecticides,
Jute, Larvae, Parathion, Toxicity.
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Quarantine.
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Caterpillars, Insect diseases, Mortality, Polyhedroses,
Trichoplusia ni.
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H Watanabe
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Biochemistry, Bombyx mori, Insect diseases, Insect physiology,
Polyhedroses, Proteins.
Abstract
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Abstract
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Eucalyptidae, Insect physiology, Insect rearing, Longevity,
Queen ant.
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Insect respiration, Odonata, Schistocerca gregaria, Trachea,
Vespa crabro.
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Rhabdophaga.
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Trogoderma granarium.
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Chemosterilants, Heliothrips, Musca autumnalis.
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Amylases, Drosophila melanogaster, Electrophoresis, Enzymes,
Genes, Insect genetics.
Abstract: A simple zymogram technique allows separation of
amylase components in homogenates of single individuals of
Drosophila melanogaster. Recombination analysis has dem-
onstrated spatial separation with a linkage intensity of the
order of 1/13,000 (0.008 map units) of pairs of amylase
genes each determining a single zone of amylolytic activity
in the electrophoretic banding pattern.

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14295-68

SEOMIANEODS CROSSING OVER IN THE MALES OF DROSOPHILA ANANASSAE: TWO-WAY SELECTION FOR RECOMBINATION VALDES.
F G Kalc
Jap J Genet 43(1):27-31 REF
Mar 1968 442.5 J27
Drosophila ananassae, Insect genetics.
Abstract

14296-68

THE MODE OF INHERITANCE OF DIELDRIN-RESISTANCE IN ANOPHELES (A.) PSEUDOPUNCTIPENNIS AND THE CROSSING OF POPULATIONS OF THIS SPECIES FROM VARIOUS PARTS OF MEXICO.
A Martinez-Falacios G Davidson
Mosquito News 27(1):55-56 REF
Mar 1967 421 M85
Anopheles pseudopunctipennis, Dieldrin, Insect genetics, Insecticide resistant insects.
Abstract: Dieldrin-resistance in A. pseudopunctipennis is dependent on a single, partially-dominant, genetic factor. The results of crossing five populations of this species from different malaria areas of Mexico indicate that all the populations of this area belong to the same species.

14297-68

A NATURAL SEX IDRE EXTRACTED FROM FEMALE PINK BOLLWORMS.
M T Chye E A Entt
J Econ Entomol 55(3):419-421
Jun 1962 421 J822
Pectinophora gossypiella, Sex attractants.

14298-68

EVIDENCE FOR GENE HOMOLOGUE OF TWO PEARL-EYED GENES IN TRIPLOID CASTANEUM AND TRIPLOID CONEUSUM.
C W Echerts C Jurilciff
Can J Genet Cytol 10(1):139-142 REF
Mar 1968 443.8 C16
Eyes, Genes, Insect genetics, Triholium castaneum, Triholium confusum.
Abstract

14299-68

SELECTION FOR SPERNDMERARY Y-CHROMOSOMES IN DERMESTES MACULATUS (COLEOPTERA: DERMESTIDAE).
U U Shaw
Can J Genet Cytol 10(1):54-62 REF
Mar 1968 443.8 C16
Chromosomes, Dermestes maculatus, Insect genetics.
Abstract

14300-68

THE STRUCTURE OF SALIVARY GLANDS AND GIANT CHROMOSOMES OF SOME CHIRONOMID LARVAE, ITS RELATION TO THE WAY OF LIFE AND IMPACTANCE FOR THE DETERMINATION OF SPECIES.
V Tavcar
Biol Glas 19(1-2):11-17 REF
1966 510 Z1E
Chironomidae, Chromosomes, Insect behavior, Insect morphology, Larvae, Salivary glands.
Abstract: Larvae which build living spaces or construct nets have salivary glands which consist of big cells with big nuclei. Larvae that live a predaceous way of life, building neither living spaces nor nets have smaller salivary glands, and their tiny nuclei are of exceptional significance. Structure of chromosomes is not clear and they are inconvenient for the determination of species.

14301-68

RAPID ALLCYCLIC CHANGES IN THE CENTRIC AND AN ARM SEGMENT OF THE X CHROMOSOME IN MEIOSIS OF MALE OMOPHOITA SPERBERA WEISE (COLEOPTERA, ALTICIDAE).
N Virkki
Hereditas 58(1-2):262-264 REF
1967 442.8 H42
Chromosomes, Chrysomelidae, Coleoptera, Insect genetics, Meiosis, Omophota.

Medical Entomology

14302-68

ARBOVIRUS STUDIES IN BDRS BDRS FOREST, TRINIDAD, W. I., SEPTEMBER 1959-DECEMBER 1964. II. FIELD PROGRAM AND TECHNIQUES.
T R G Aitken C B Worth A R Jonkers E S Tikasingh W G Towns
Amer J Trop Med Hyg 17(2):237-252, MAP REF
Mar 1968 448.8 AM326
Arboviruses, Arthropoda, Birds, Chickens, Diptera, Ecology, Insect vectors, Rodents.

14303-68

EVALUATION OF INSECTICIDES AGAINST FOUR SPECIES OF ACDLT MOSQUITOES IN THE PANAMA CANAL ZONE, 1967.
R M Altman M M Boreham
Mosquito News 27(4):506-508 REF
Dec 1967 421 M85
Aedes taeniorhynchus, Anopheles albimanus, Chemical control (insects), Culex pipiens quinquefasciatus, Fenthion, Insecticidal aerosols, Malathion, Mansonia, Naled. Abstract: In December 1966 and January 1967 two series of tests were conducted at F7. Clayton, Canal Zone to determine the effectiveness of nonthermal aerosols of several insecticides to caged mosquitoes. Based on the percentage concentration, fenthion was more effective than naled which was in turn more effective than malathion.

14304-68

PROBLEMS IN THE CULTIVATION OF SOME PARASITIC PROTOZOA.
A Bishop
Advances Parasitol 5:93-138 REF
1967 436.8 AC9
Culture media, Insect vectors, Protozoa.
Includes bibliography in insect vectors.

14305-68

DEVELOPMENT OF RICKETTSIA PROWAZEKI IN CERTAIN SPECIES OF IXODID TICKS.
W Burgdorfer R A Ormshee
Acta Virol 12(1):36-40
Jan 1968 448.3 AC85
Dermacentor andersoni, Hyalomma anatolicum excavatum, Hyalomma dromedarii, Ixodidae, Rickettsia prowazeki.

14306-68

OBSERVATIONS ON TOXORHYNCHITES SPLENDENS (WIEDEMANN) (DIPTERA: CULICIDAE) IN SINGAPORE.
K I Chan
Mosquito News 28(1):91-95 REF
Mar 1968 421 M85
Aedes, Biological control (insects), Insect physiology, Predaceous insects, Toxorhynchites splendens.

14307-68

SIMIAN MALARIAS IN MAN; FACTS, IMPLICATIONS, AND PREDICTIONS.
G R Coatney
Amer J Trop Med Hyg 17(2):147-155 REF
Mar 1968 448.8 AM326
Anopheles, Human diseases, Insect vectors, Malaria, Monkeys, Plasmodium, Zoonoses.

14308-68

STUDIES ON THE TRANSMISSION OF SIMIAN MALARIA. III. INFECTION AND TRANSMISSION OF PLASMODIUM COATNEYI WITH ANOPHELES FREEBORNI AND A. BALABACENSIS BALABACENSIS MOSQUITOES.
W E Collins P G Contacos E G Ginn J R Beld
J Parasitol 53(6):1130-1134
Dec 1967 448.8 J824
Anopheles balabacensis, Anopheles freeborni, Insect vectors, Monkeys, Plasmodium.

14309-68

STUDIES OF TENSAW VIRUS IN ANOPHELES QUADRIMACULATUS, A. ALBIMANS AND A. MACULATUS.
W E Collins A J Harrison
Mosquito News 27(1):1-5 REF
Mar 1967 421 M85

- Anopheles albimanus, Anopheles maculatus, Anopheles quadrimaculatus, Arboviruses, Insect vectors, Tensaw virus.
Abstract: Mosquitoes were infected with Tensaw virus using the membrane feeding technique. Transmission of Tensaw virus was obtained by the feeding of A. quadrimaculatus and A. albimanus to suckling mice after 12 to 14 days of extrinsic incubation. The amount of virus initially ingested did not appear to affect the transmission rate.
- 14310-66
TRANSMISSION OF PLASMODIUM FIELDI BY ANOPHELES MACULATUS, A. STEPHENSI, AND A. FALARACENSIS FALARACENSIS.
W E Collins F G Contacos E G Guinn J R Heid
J Parasitol 54(2):376
Apr 1966 44R:6 J824
Anopheles falaracensis, Anopheles maculatus, Anopheles stephensi, Insect vectors, Mosquitoes, Plasmodium fieldi.
- 14311-66
THE EFFECT OF GAMMA IRRADIATION ON REPRODUCTION AND LIFE SPAN OF THE MOSQUITO CULEX TARSALIS COQUILLETT.
L I Darrow
Mosquito News 28(1):21-24 REF
Mar 1968 421 M85
Culex tarsalis, Gamma rays, Longevity, Reproduction.
- 14312-66
NEW CHEMICAL ATTRACTANTS FOR YELLOW JACKETS (VESPULA SPP.).
B G Davis T F McGovern G W Eddy T E Nelson K M R Rertun
J Econ Entomol 61(2):459-462
Apr 1968 421 J822
Attractants, Vespula.
102 synthetic organic compounds
Abstract
- 14313-66
RESPONSES OF AEDES AEGYPTI (L.) FROM ALABAMA, GEORGIA AND SCOUT CAROLINA TO DDT, DIFLORIN, AND MALATHION.
A L Flynn R F Schoof
Mosquito News 27(4):509-512 REF
Dec 1967 421 M85
Aedes aegypti, Chemical control (insects), Dieldrin, DDT, Insecticide resistant insects, Malathion.
Abstract: Of the strains from Alabama, two were resistant to DDT (adults), one slightly resistant to dieldrin (adults), and none resistant to malathion. From Georgia, all strains of the adult stage were resistant to DDT, one strain (Alabama, adult and larval stages) to dieldrin, and none to malathion. Strains from South Carolina were susceptible to all of these toxicants.
- 14314-66
RESPONSES OF MOSQUITOES AND STABLE FLIES TO A MAN IN A LIGHT-WEIGHT BUZZER LIVING SUIT.
B K Guck I R Gilbert
J Econ Entomol 55(3):386-392, TABS.
Jun 1962 421 J822
Culicidae, Human engineering, Humans, Stomoxys calcitrans.
- 14315-66
EVOLUTIONARY TRENDS IN MAMMALIAN TRYPANOSOMES.
C A Eare
Advances Parasitol 5:47-91, MAP REF
1967 436.8 AD9
Animal diseases, Evolution, Human diseases, Insect vectors, Mammals, Trypanosomatidae.
Includes insect vectors.
- 14316-66
SEASONAL ACTIVITY OF MOSQUITO PREDATORS IN WOODLAND POOLS IN CAMBODIA.
B G James
Mosquito News 27(4):453-457 REF
Dec 1967 421 M85
Aedes, Aquatic insects, Coleoptera, Forests, Natural control (insects), Ponds, Predaceous insects.
- 14317-66
ARBOVIRUS STUDIES IN BUSH BUSH FOREST, TRINIDAD, W. I. SUMMARY 1955-DECEMBER 1964. V. VIRUS ISOLATIONS.
A R Jenkins L Spence W G Downs I R G Aitken E S Tikasingh
Amer J Trop Med Hyg 17(2):276-284 REF
Mar 1966 448.8 AM326
Arboviruses, Arthropoda, Culicidae, Rodents, Serological tests, Virology.
- 14318-66
ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO CONTROL IN KENTUCKY.
F W Knapp C R Gayle
Mosquito News 27(4):478-482 REF
Dec 1967 421 M85
Aerial spraying, Carbamates, Chemical control (insects), Culicidae, Fenitrothion, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Malathion, Naled, Organophosphorus compounds.
- 14319-66
EFFECTIVENESS OF SOME NEW INSECTICIDES ON VARIOUS TYPES OF SURFACES AND IN CLAY-LINED EXPERIMENTAL RUTS AGAINST ANOPHELES QUADRI-MACULATUS.
W Mathis H F Schoof
Mosquito News 28(1):16-20 REF
Mar 1968 421 M85
Anopheles quadrimaculatus, Biological assay, Chemical control (insects), Dieldrin, Insecticide resistant insects, Insecticides, Surface chemistry.
- 14320-66
THE MUDMINNOW UMBRA LIMI (KIRT.). A POSSIBLE MOSQUITO CONTROL AGENT IN SEMI-PERMANENT POOLS.
M G Maw
Mosquito News 28(1):120 REF
Mar 1968 421 M85
Biological control (insects), Culicidae, Fish.
The mudminnow, Umbra limi, feeds on insects.
- 14321-66
ULTRA-LOW VOLUME NONTHERMAL AEROSOLS OF MALATHION AND NALED FOR ADULT MOSQUITO CONTROL.
G A Mount C S Lofgren N W Pierce C N Husman
Mosquito News 28(1):99-103 REF
Mar 1968 421 M85
Aedes taeniorhynchus, Aerosols, Chemical control (insects), Malathion, Naled.
Abstract: A nonthermal generator (Curtis Model 55,000) was modified to disperse ultra-low volume malathion and naled. At all doses tested, particles of malathion having med's of 6 to 10 microns were more effective than particles of 11 to 22 microns. ULV malathion at least as effective as high volume. ULV naled was more effective than high volume.
- 14322-66
NEW INSECTICIDES AS NONTHERMAL AEROSOLS FOR CONTROL OF ADULT MOSQUITOES.
G A Mount C S Lofgren
Mosquito News 27(4):470-473 REF
Dec 1967 421 M85
Aedes taeniorhynchus, Anopheles quadrimaculatus, Carbamates, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticidal aerosols, Organophosphorus compounds.
- 14323-66
AERIAL FOGGING WITH BAY 39007 FOR THE CONTROL OF ADULT AEDES SOLICITANS (WALKER) AND AEDES TAENIORHYNCHUS (WIEDEMANN).
G A Mount C S Lofgren J Salmela
Mosquito News 27(4):524-525 REF
Dec 1967 421 M85
Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Insecticidal aerosols, Isopropoxyphenyl methylcarbamate, o-.
- 14324-66
LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES.
R Sollers-Riedel
Mosquito News 27(4):537-548 REF
Dec 1967 421 M85
Bibliography, Chemical control (insects), Culicidae, Insect taxonomy, Medical entomology.
- 14325-66
LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES.
H Sollers-Riedel
Mosquito News 28(1):128-140 REF
Mar 1968 421 M85
Bibliography, Biological control (insects), Chemical control (insects), Culicidae, Equipment, Insect biology, Insect ecology, Insect genetics, Insect morphology, Insect vectors, Medical entomology, Toxicology.

1D 14326-68

14326-68

CONTROL OF MOSQUITO ADULTS AND LARVAE WITH ULTRA-LOW VOLUME
AERIAL APPLICATIONS OF FAYGOL AND BAYGON-FAYTEX MIXTURE.

I E Stevens & P Stroud
Mosquito News 27(4):482-485 REF
Dec 1967 421 P85

Aedes sollicitans, *Aedes stimulans*, Aerial spraying,
Carbamates, Chemical control (insects), *Culex restuans*,
Fenthion, Insecticides, Isopropoxyphenyl methylcarbamate, o-,
Larvicides, Organophosphorus compounds.

14327-66

THE LARVICIDAL ACTIVITY OF SEVERAL LIQUID DETERGENTS AND
QUATERNARY AMMONIUM COMPOUNDS.

F T Taylor & F Schoof
Mosquito News 27(4):482-487
Dec 1967 421 P85

Aedes aegypti, *Aedes triseriatus*, *Anopheles quadrimaculatus*,
Chemical control (insects), *Culex pipiens quinquefasciatus*,
Detergents, Larvicides, Quaternary ammonium compounds.

14328-66

SIMULATED FIELD EVALUATION OF PROMISING INSECTICIDES FOR USE
AGAINST *Aedes aegypti*.

F T Taylor
Mosquito News 28(1):11-16 REF
Mar 1968 421 P85

Aedes aegypti, Chemical control (insects), Insecticides,
Larvicides.

Abstract: Eleven compounds were evaluated under simulated
field conditions to determine their relative residual life
as larvicides and adulticides against *Ae. aegypti*.

20 CROP PROTECTION

14329-68

ENTOMOLOGISTS EXCHANGE '59 RESEARCH RESULTS.

Agri Chem 15(1):38-40
Jan 1968 381 AG8

Anthonomus grandis, *Cochliomyia hominivorax*, Conmaphos, DDT,
Musca domestica, Ronnel, Tcxaphene.

14330-68

APHIDS AND MILDEW. TWO ECONOMICALLY IMPORTANT PESTS OF
GRAIN IN SOUTHERN SWEDEN 1967. (SW)

K Andersson
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):2-8
1968 464.9 SW3V

Aphididae, Fungus diseases (plants), Grain, Insect pests.

14331-68

SOME NOTES ON THE STEDDY OF BARK FENGLI.

J E B Garner
Can J Bot 45(4):540-541
Apr 1967 470 C16C

Bark, Fungi, *Populus tremuloides*.

Diseases

14332-68

CHANGE IN CHLOROPLAST PROTEINS OF THE RICE PLANT INFECTED
BY THE BLAST FUNGUS, *PIRICHILARIA ORYZAE*. IN: MIROCHA,
C. J., AND DRITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR
CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS,
CONFERENCE HELD MAY 15-21, 1966, GAKUJORI, JAPAN.
SB611.C6.

T Akazawa & L Ramakrishnan
329-341 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967

Blast (rice), Fungus diseases (plants), *Pirichilaria oryzae*,
Proteins, Rice.

14333-68

AMERICAN PHYTOPATHOLOGICAL SOCIETY. POTOMAC DIVISION.
ANNUAL MEETING, 1967. REPORT AND ABSTRACTS.

Phytopathology 57(7):644-649
Jul 1967 464.8 P56
Conferences, Plant diseases.

14334-68

INHERITANCE OF RESISTANCE TO *VENTURIA INAEQUALIS* IN CERTAIN
CRAB APPLE CLONES. (ABSTRACT).

H S Bagga & D M Boone
Phytopathology 57(8):802
Aug 1967 464.8 P56

Crabapples, Crop varieties, Fungus diseases (plants),
Plant disease resistance, *Venturia inaequalis*.

14335-68

PLANT VIRUS ANTIGEN: ANTIBODY REACTIONS IN DENSITY GRADIENT
CENTRIFUGATION AND IN ELECTRON MICROSCOPY. (ABSTRACT).

E M Ball & K Brakke
Phytopathology 57(8):802
Aug 1967 464.8 P56

Antibodies, Antigens, Centrifugation, Electron microscopy,
Plants, Virus diseases (plants).

14336-68

LEAFHOPPER TRANSMISSION OF THE OAT BLUE DWARF VIRUS
EXTRACTED FROM OATS OR BARLEY. (ABSTRACT).

E E Rantari
Phytopathology 57(8):802
Aug 1967 464.8 P56

Blue dwarf (oats), Insect vectors, *Macrosteles fascifrons*,
Oats, Plant disease transmission, Virus diseases (plants).

- 14337-66
THE RESPIRATION OF SCLEROTIA OF SCLEROTIUM ROLFSSII.
M D Bard C I Fergus
Mycopathol Mycol Appl 33(2):167-178 REF
13 Nov 1967 450 P594
Aging, Hydrogen-ion concentration, Plant respiration,
Sclerotium rolfssii, Temperature.
- 14338-66
NUCLEAR BESSOCIATION IN PUCCINIA CORONATA E. SP. AVENAE.
(ABSTRACT).
P Eantos G Fleischmann G J Creer D J Samhroski
Phytopathology 57(8):803
Aug 1967 464.8 P56
Cell division, Cell nucleus, Crown rust (oats),
Fungus diseases (plants), Oats, Puccinia coronata avenae.
- 14339-66
CHARACTERISTICS OF THE CELLULOSE SYSTEM PRODUCED BY
SCLEROTIUM ROLFSSII. (ABSTRACT).
C E Paternar
Phytopathology 57(8):803
Aug 1967 464.8 P56
Beans, Cellulose, Fungus diseases (plants),
Sclerotium rolfssii.
- 14340-68
DEFENSATORY RESPONSE OF RADISH VARIETIES RESISTANT AND
SUSCEPTIBLE TO VASCULAR INFECTION BY FUSARIUM OXYSPORUM
F. CONGLUTINANS.
C H Beckman
Phytopathology 57(7):699-702 REF
Jul 1967 464.8 P56
Fungus diseases (plants), Fusarium oxysporum,
Plant disease resistance, Plant respiration, Radishes,
Vascular system (plants), Wilt (radishes).
Abstract
- 14341-66
FORMATION OF GROSSYCL IN INFECTED OR CHEMICALLY IRRITATED
TISSUES OF GROSSYCLUM SPECIES.
A A Bell
Phytopathology 57(7):759-764 REF
Jul 1967 464.8 P56
Antimetabolites, Chromatography, Cotton,
Fungus diseases (plants), Grossyol, Plant disease resistance,
Plant extracts, Puccinia sorghi, Rhizopus stolonifer,
Uromyces phaseoli, Verticillium albo-atrum.
Abstract
- 14342-66
AN EXPOSURE CHARTER FOR FOREST AIR POLLUTION STUDIES.
(ABSTRACT).
C B Perry
Phytopathology 57(8):804
Aug 1967 464.8 P56
Air pollution, Forest conservation, Greenhouses, Ozone,
Pinus strobus.
- 14343-66
ACCUMULATION OF PHENOLS IN SCYFAN AFTER INOCULATION WITH
FUNGI NONPATHOGENIC TO SOYBEAN. (ABSTRACT).
W I Fiehn J Kuc E E Williams
Phytopathology 57(8):804
Aug 1967 464.8 P56
Fungi, Helminthosporium carbonum, Phenols, Soybeans.
- 14344-66
NUMERICAL ANALYSIS OF THE GENUS TRICHOLOMUS. (ABSTRACT).
G W Fird
Phytopathology 57(8):804
Aug 1967 464.8 P56
Mathematical analysis, Plant nematodes, Tricholomus.
- 14345-66
SOIL TRANSMISSION OF SUGARCANE MOSAIC VIRUS IN SORGHUM.
(ABSTRACT).
W E Bond T P Fierne
Phytopathology 57(8):804-805
Aug 1967 464.8 P56
Mosaic (sugarcane), Plant disease transmission,
Soil-borne plant diseases, Sorghum, Sugarcane,
Virus diseases (plants).
- 14346-66
THE RELATION OF GROWTH REGULATORS TO THE DEVELOPMENT OF
SYMPTOMS AND THE EXPRESSION OF STEM RESISTANCE IN WHITE PINE
INFECTED WITH ELIESTER RUST.
M G Ecyer
45(4):501-513
- Apr 1967
Benzimidazole, Blister rust (pinus), Gibberellic acid,
Indoleacetic acid, Plant disease resistance, Plant galls,
Plant regulators, Seedlings.
Abstract: The application of the growth regulators indole-
acetic acid and gibberellic acid of stems of white pine
seedlings produced many symptoms characteristic of the di-
sease caused by blister rust fungus, thus suggesting their
possible involvement in gall formation. When benzimidazole
compound was applied, a wound periderm was initiated in seed-
lings infected with blister rust, but not in healthy ones.
- 14347-68
THE STRUCTURE-ACTIVITY RELATIONSHIPS OF A NEW GROUP OF
PYRIDINE ALKANE AND CARBINOL FUNGICIDES. (ABSTRACT).
I E Brown J W Whaley H M Taylor E M Van Beyningen
Phytopathology 57(8):805-806
Aug 1967 464.8 P56
Carbinol, Erysiphe polygoni, Fungicides,
Fungus diseases (plants), Grasses, Paraffins,
Pyridine compounds.
- 14348-68
EFFECTS OF LIGHT ON SPORULATION OF CERCOSPORA BETICOLA.
L Calpouzos G F Stallknecht
Phytopathology 57(7):679-681
Jul 1967 464.8 P56
Cercospora beticola, Light.
Abstract
- 14349-68
PHYTOPHTHORA LEAF FALL AND POD ROT OF HEVEA BRASILIENSIS IN
THAILAND.
K R Choe J M F Greenwood
Pao Plant Protect Bull 16(1):1-5 MAP, REF
Feb 1968 421 P692
Fungus diseases (plants), Hevea brasiliensis,
Phytophthora meadii, Phytophthora palmivora.
Abstract: Leaf fall was observed throughout the rubber-
growing areas of Thailand, except in the southeast region.
Leaf fall and pod rot were most severe in the northeast
provinces, moderate in the southwest, and slight in the
west. Strains of the causal fungus fell into two groups.
Their identity has not been established, but most isolates
can probably be assigned to Phytophthora meadii, and the
remainder, of much rarer occurrence, to P. palmivora.
- 14350-68
GREENHOUSE EVALUATION OF FUNGICIDES FOR CONTROL OF RICE
BLAST DISEASE. (ABSTRACT).
B S Cbow
Phytopathology 57(8):806
Aug 1967 464.8 P56
Blast (rice), Fungicides, Fungus diseases (plants),
Greenhouses, Piricularia oryzae, Rice.
- 14351-68
TRISTEZA STRAIN COMPARISONS IN FLORIDA. (ABSTRACT).
M Cohen
Phytopathology 57(8):807
Aug 1967 464.8 P56
Citrus, Grapefruit, Tristeza (citrus).
- 14352-68
OAK WILT INCIDENCE RELATED TO SITE PRODUCTIVITY IN
HAMPSHIRE COUNTY, W. VA. (ABSTRACT).
W L Cones R P Trone
Phytopathology 57(8):807
Aug 1967 464.8 P56
Fungus diseases (plants), Quercus, Wilt (quercus).
- 14353-68
THE EFFECT OF XANTHOMONAS VESICATORIA ON PERMEABILITY
IN RESISTANT AND SUSCEPTIBLE PEPPER LEAVES. (ABSTRACT).
A A Cook R E Stall
Phytopathology 57(8):807
Aug 1967 464.8 P56
Bacterial diseases (plants), Bush redpeppers (vegetable),
Plant disease resistance, Xanthomonas vesicatoria.
- 14354-68
OCCURRENCE OF RHIZOCTONIA SPP. IN SEEDS OF SMALL GRAINS
AND OTHER PLANTS.
W P Crosier J J Natti D C Crosier
Phytopathology 57(8):808
Aug 1967 464.8 P56
Field crops, Fungus diseases (plants), Grain,
Ornamental plants, Rhizoctonia, Seed treatment, Vegetables.

20 14355-68

- 14355-68
CDIFFERENTIATION IN DIKARYONS AND DIFLOIDS. (ABSTRACT).
P B Day
Phytopathology 57(8):808
Aug 1967 464.6 P56
Cell division, Coprinus lagopus, Enzymes, Fungi, Mutation, Parasitic plants, Plant biochemistry, Ustilago maydis.
- 14356-66
ADDITIONAL FUNGI ASSOCIATED WITH AMERICAN BEECH IN NEW YCER.
E C De Groot
Mycopathol Mycol Appl 32(4):356-359
13 Sep 1967 45D M594
Fagus grandifolia, Fungus diseases (plants).
- 14357-66
THE EFFECT OF VISIBLE AND NEAR-VISIBLE RADIATION ON THE SECRETATION OF HELMINTHOSPORIDIUM VAGANS. (ABSTRACT).
R I Deahl E S Elliott
Phytopathology 57(8):808
Aug 1967 464.6 P56
Fungus diseases (plants), Helminthosporium vagans, Light, Fca pratensis, Ultraviolet rays.
- 14358-66
INCORPORATION OF E3- AND C14-LABELLED OBOTIC ACID INTO BICHROMIC ACID OF ISOLATED BEAN RUST MYCELIUM. (ABSTRACT).
R M Dekhuijzen H Singh B C Staples
Phytopathology 57(8):808
Aug 1967 464.6 P56
Beans, Carbon isotopes, Fungus diseases (plants), Orotic acid, Radioactive tracers, Bichromic acid, Rust (beans), Tritium, Uromyces phaseoli.
- 14359-66
SOME PROPERTIES OF BYPLAS ISOLATED FROM BEAN LEAVES INFECTED WITH BEAN RUST FUNGUS.
R M Dekhuijzen H Singh B C Staples
Boyce Thompson Inst Contrib 23(11):367-372 REP
Jul 1967 451 P69
Beans, Fungus diseases (plants), Rust (beans), Uromyces phaseoli.
- 14360-66
DECLINE OF RED CLOVER PLANTS INFECTED WITH RED CLOVER VEIN MOSAIC VIRUS AND FUSARIUM SPECIES. (ABSTRACT).
S J Denis E S Elliott
Phytopathology 57(8):808-809
Aug 1967 464.6 P56
Fungus diseases (plants), Fusarium, Red clover, Vein mosaic (red clover), Virus diseases (plants).
- 14361-66
SUBTLE EFFECTS OF FREEZING ON THE SENSITIVITY OF TOBACCO MOSAIC VIRUS TO ALKALINE DEGRADATION. (ABSTRACT).
P R Desjardins T C Diever
Phytopathology 57(8):809
Aug 1967 464.6 P56
Alkalies, Freezing, Hydrogen-ion concentration, Mosaic (tobacco), Tobacco, Virus diseases (plants).
- 14362-66
EFFECT OF TEMPERATURE ON DEVELOPMENT OF LOCAL LESIONS ON TOBACCO LEAVES INOCULATED WITH TOBACCO STREAK VIRUS. (ABSTRACT).
S Diachou
Phytopathology 57(8):809
Aug 1967 464.6 P56
Streak (tobacco), Temperature, Tobacco, Virus diseases (plants).
- 14363-66
THE EFFECT OF INOCULUM POTENTIAL ON THE RESPONSE OF MUSKMELON VARIETIES TO FUSARIUM OXYSPORUM F. SP. MELONIS. (ABSTRACT).
L R Douglas
Phytopathology 57(8):809
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Fungus diseases (plants), Fusarium oxysporum, Muskmelons, Wilt (muskmelons).
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CORRELATION OF SUSCEPTIBILITY OF PEACH TO BACTERIAL CANKER NOT RELATED TO MOVEMENT OF PSEUDOMONAS SYRINGAE. (ABSTRACT).
W M Dowler F D King
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Bacterial diseases (plants), Canker (peaches), Peaches, Plant disease resistance, Pseudomonas syringae.
- 14365-68
RECOVERY OF EASTERN WHITE PINE FOLLOWING REDUCTION IN LEVELS OF AMBIENT AIR POLLUTION. (ABSTRACT).
D B Drummond P A Wood
Phytopathology 57(8):810
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Air pollution, Fungus diseases (plants), Spore germination, Verticillium albo-atrum.
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GERMINATION OF MICROSCLEROTIA OF VERTICILLIUM ALBO-ATRUM IN SOIL. (ABSTRACT).
D A Emmatty B J Green
Phytopathology 57(8):810-811
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Fungus diseases (plants), Soil fungi, Spore germination, Verticillium albo-atrum.
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Z Eval J L Petersen
Can J Bot 45(4):537-540
Apr 1967 470 C16C
Fungus diseases (plants), Leaf rust (wheat), Light, Puccinia recondita, Temperature, Wheat.
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BACTERIAL STIMULATION OF CHLAMYDOSPORE PRODUCTION IN FUSARIUM SOLANI F. SP. PHASEOLI. (ABSTRACT).
E J Ford E E Trujillo
Phytopathology 57(8):811
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Bacteria, Fungus diseases (plants), Fusarium solani, Plant physiology.
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STUDIES ON POTASSIUM NUTRITION OF PLANTS. II. SOME EFFECTS OF POTASSIUM DEFICIENCY ON THE ORGANIC ACIDS OF LEAVES.
G G Freeman
J Sci Food Agr 18(12):569-576 REP
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Acids, Beets, Cabbage, Leaves, Lettuce, Lolium multiflorum, Plant nutritional deficiencies, Potassium, Potatoes.
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ETHANOL SOLUBILITIES OF TAKE AND METABOLISM OF GLUCOSE BY ARMILLARIA MELLEA. (ABSTRACT).
M C Garraway
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Armillaria mellea, Ethyl alcohol, Fungus diseases (plants), Glucose, Metabolism.
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COMPOSITIONS AND METHODS FOR CONTROLLING FUNGI. PATENT 3,378,43B.
K Gatz
US Patent Office Offic Gaz 849(3):782-783
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Antifungals, Chemical control (plant diseases), Fungicides, Patents.
- 14372-68
EFFECTS OF DRYING ON THE VIABILITY OF GERMINATED SPORES OF BOTRYTIS CINEREA, CERCOPODA MUSA, AND MONILINIA FRUCTICOLA.
B M Good P G M Zathureczky
Phytopathology 57(7):719-722
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Botrytis cinerea, Cercospora musae, Culture media, Drying, Monilia fructicola, Mortality, Spore germination, Abstract.
- 14373-68
RELATIONSHIP OF ROOT KNOT NEMATODES TO PATHOGENIC VARIABILITY IN FUSARIUM OXYSPORUM F. SP. LYCOPEDESI.
M J Goode J M McGuire
Phytopathology 57(8):812
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Fungus diseases (plants), Fusarium oxysporum, Meloidogyne incognita, Plant nematodes, Tomatoes.
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A POSSIBLE BIOCHEMICAL BASIS FOR THE BYPASSES SENSITIVE REACTION INDUCED IN PLANTS BY PATHOGENIC BACTERIA. (ABSTRACT).
B M Goodman
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- Bacterial diseases (plants), Chemicals, Hypersensitivity, Necrosis, Plant biochemistry, Plants, Tobacco.
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R W Geth J F Dexway F J Schick
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Fungus diseases (plants), Plant quarantine, Pythium, Root rot (beans), Soil fungi, Sweet corn, Sweetcorn.
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A SEROLOGICAL COMPARISON OF RACES 1 AND 2 OF PSEUDOMONAS PHASEOLICOLA. (ABSTRACT).
J W Guthrie
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Bacterial diseases (plants), Pseudomonas phaseolicola, Serological tests.
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INTRACELLULAR AND EXTRACELLULAR ENZYMES FROM PHYTOPHTHORA CINNAMOMI. (ABSTRACT).
B Ball C A Zentmyer
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Cells, Culture media, Enzymes, Fungus diseases (plants), Phytophthora cinnamomi.
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BREAKDOWN OF PECTIN AT PH VALUES ENCOUNTERED IN FUSARIUM SOLANI F. SP. CUCURBITAE-INFECTED SQUASH HYPOCOTYLS. (ABSTRACT).
J G Hancock
Phytopathology 57(8):813
Aug 1967 464.6 P56
Fungus diseases (plants), Fusarium solani, Hydrogen-ion concentration, Pectins, Squash.
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STUDIES ON A NEW EFFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS. (ABSTRACT).
V Hariharasubramanian A Siegel
Phytopathology 57(8):814
Aug 1967 464.6 P56
Mosaic (tobacco), Tobacco, Virus diseases (plants).
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SEED EXUDATE IN RELATION TO TEMPERATURE AND PREEMERGENCE DAMPING-OFF. (ABSTRACT).
L S Fayman
Phytopathology 57(6):814
Aug 1967 464.6 P56
Cotton, Damping-off (cotton), Exudates, Seed germination, Temperature.
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OOTHRISTOMA NEEDLE BLIGHT OF PINES. 6. FIELD CONTROL WITH TIME OF CHEMICAL SPRAYS.
U Rocking
Arusha Trop Pesticides Res Inst Misc Rep 572, 11 P
Jul 1966 423.52 G7522
Copper compounds, Fungus diseases (plants), Needle blight (pinus), Pinus radiata, Spraying, Tree diseases.
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PLANT DISEASE PITFALLS FOR HIGH YIELDING WHEATS IN INDIA.
C S Bhatta
Indian Phytopathol 20(3):183-188
Sep 1967 464.8 IN2
Crop yields, Leaf spot (wheat), Plant diseases, Powdery mildew (wheat), Root rot (wheat), Stripe rust (grain), Wheat.
- 14383-68
INHERITANCE OF MAJORITY PLANT RESISTANCE TO RUST IN CORN. (ABSTRACT).
A L Becker
Phytopathology 57(8):815
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Corn, Fungus diseases (plants), Plant disease resistance, Plant genetics, Rust (corn).
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EFFECT OF ETHANOL FIXATION ON POTATO VIRUS X PARTICLES. (ABSTRACT).
W J Becker
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Ethyl alcohol, Potatoes, Virus diseases (plants), Virus x (potatoes).
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D L Hopkins R E Hampton
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Etch (tobacco), Photosynthesis, Tobacco, Virus diseases (plants).
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PLANT CELLULAR RESPONSES TO NEMATODE EXTRACTS. (ABSTRACT).
R K Howell R S Bussey
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Animal extracts, Cells, Ditylenchus dipsaci, Peas, Plant nematodes.
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TELIOPORE FORMATION BY PUCCINIA RECONUITA F. SP. TRITICI ON SEEDLING WHEAT PLANTS.
A O Jackson H C Young
Phytopathology 57(7):793-794
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Leaf rust (wheat), Puccinia recondita.
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TREE SPECIES UREDINALES ON BROMUS.
M J Kaufmann
Mycopathol Mycol Appl 32(4):249-261
13 Sep 1967 450 M994
Bromus, Fungus diseases (plants), Puccinia, Rust (Bromus), Uredinales, Uromyces.
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METHOD OF PROTECTING PLANTS WITH 2,1,3-BENZODITHIAZAZOLE COMPOUNDS. PATENT 3,382,146.
R Koopman A Temple
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Benzodithiazazoles, Fungicides, Patents.
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EFFECT OF CARBON SOURCES ON THE GROWTH OF PYTHIUM APHANIDERMATUM (EDSON) FITZ.
M Kumar R K Grover
Indian Phytopathol 20(3):189-195 REF
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Carbon compounds, Fungus diseases (plants), Hydrogen-ion concentration, Plant physiology, Pythium aphanidermatum.
- 14391-68
BEHAVIOR OF CHLAMYDOSPORES AND ENDOCONIDIA OF THIELAVIOPSIS BASICOLA IN NONSTERILIZED SOIL.
R G Linderman T A Tcussou
Phytopathology 57(7):729-731
Jul 1967 464.8 P56
Culture media, Soil moisture, Spore germination, Thielaviopsis basicola.
Abstract
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INHIBITION OF PHENOL OXIDATION BY ERWINIA CAROTOVORA IN POTATO TUBER TISSUE AND ITS SIGNIFICANCE IN DISEASE RESISTANCE.
L Lovrekovich R Lovrekovich M A Stahmann
Phytopathology 57(7):737-742
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Bacterial soft rot (potatoes), Enzymes, Erwinia carotovora, Phenols, Plant disease resistance, Potatoes.
Abstract
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THE CYTOLOGY OF INFECTION STRUCTURE DEVELOPMENT IN UREDIOSPORE GERMINATION TUBES OF UROMYCES PHASEOLI VAR. TYPICA (PESS.) WINT.
R Maheshwari A C Hildebrandt P J Allen
Can J Bot 45(4):447-450 REF
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Beas, Feulgen test, Fungus diseases (plants), Plant cytology, Spore germination, Uredinales, Uromyces phaseoli typica.
- 14394-68
THERMAL STABILITY OF STEM RUST RESISTANCE IN OAT SEEDLINGS.
J W Hartens F I B McKenzie G J Green
Can J Bot 45(4):451-458 REF
Apr 1967 470 C16C
Fungus diseases (plants), Oats, Plant disease resistance,

20 14395-68

- Plant genetics, *Fuccinia graminis avenae*, Stem rust (oats), Temperature.
Abstract: Six of the identified genes for stem rust resistance in oats are divided into 3 categories of thermal sensitivity: resistance conferred by genes A and D is stable; that conferred by genes H and F 'breaks down' at intermediate temperatures; and that conferred by genes B and F breaks down at relatively low temperatures.
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VARIATION AND THE INHERITANCE OF MORPHOLOGICAL MUTANTS IN *RYEGRASS* TERES.
W C McDonald
Phytopathology 57(7):747-755 REF
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Plant morphology, *Pyrenophora teres*.
Abstract
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GERMINATION AND INFECTION OF CITRUS BY ASCOSPORES OF *GUIGNARDIA CITRICARPA* IN RELATION TO CONTROL OF BLACK SCUT.
R C McOrie
Phytopathology 57(7):743-746
Jul 1967 464.6 E56
Black spot (citrus), Chemical control (plant diseases), Citrus, *Guignardia citricarpa*, Spore germination.
Abstract
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SURVIVAL AND SAPROHYTIC GROWTH OF *VERTICILLIUM DAHLIAE* IN UNCEFFED SOIL.
J C Menzies G E Grietel
Phytopathology 57(7):703-709
Jul 1967 464.6 E56
Soil amendments, Soil moisture, Soil-borne plant diseases, *Verticillium dahliae*.
Abstract
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FACTORS AFFECTING THE PRODUCTION OF PECTINOLYTIC ENZYMES BY *GLCOSPORIUM PESICII*, THE CAUSAL AGENT OF FRUIT ROT OF GUAVA (*ESULIUM GUAJADA* L.).
S K Midha J S Chohan
Indian Phytopathol 20(3):215-219 REF
Sep 1967 464.6 IN2
Culture media, Enzymes, Fungus diseases (plants), *Gleosporium pesicii*, Guavas.
Abstract
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FUNGICIDAL ACTIVITY AND PHYTOXICITY OF CERTAIN MERCURIALS USED TO CONTROL *FUSARIUM* BASAL ROT OF NARCISSUS BULBS.
V I Miller C J Gould
Phytopathology 57(7):777-781 REF
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Basal rot (narcissus), Chemical control (plant diseases), Fungicides, *Fusarium*, Mercury compounds.
Abstract
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EFFECT OF LEAF HOST ON YIELD OF SOME STEM RUST RESISTANT WHEATS OF PANDEASHA.
M L Metkekar V F Bhide
Indian Phytopathol 20(3):206-210
Sep 1967 464.6 IN2
Crop losses, Crop varieties, Crop yields, Fungus diseases (plants), Irrigation, Leaf rust (wheat), Plant disease resistance, Stem rust (wheat), Sulfur.
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PROCESS FOR CONTROLLING FUNGI WITH ITHACONAMIC ESTERS.
PATENT 3,375,456.
H F Neighluis
US Patent Office Offic Gaz 848(4):1034
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Chemical control (plant diseases), Esters, Fungicides, Methylene-succinamic acid, 2(or 3)-.
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EFFECT OF LECONTICATION AND FUNGICIDE ON PERFORMANCE OF TABLE BEET SEED.
N B Peck E E Clark J J Natti
Agron J 59(1):78-80
Jan 1967 4 AM34E
Beets, Dimethylaminobenzenediazo sodium sulfonate, p-, Fungicides, Plant physiology, Seed germination, Seed treatment, Thiram.
Abstract: Lecrification of table beet seedballs had no adverse effects on seed germination, seedling growth, and performance of Arasan and Dexon seed treatments. Under dry soil condition Arasan and Dexon delayed seedling emergence. Dexon also reduced stands. Under moist soil conditions, Arasan and Dexon produced significantly more seedlings. Variable soil moisture conditions contributed to significant interactions between planting dates and fungicide or seedball size in field tests.
- 14403-68
EFFECT OF INSECTICIDAL SPRAYS ON STUNT AND MOSAIC VIRUS DISEASES OF CORN IN SMALL FIELD PLOTS IN MISSISSIPPI.
H N Pitre
J Econ Entomol 61(2):585-587 REF
Apr 1968 421 J822
Corn, *Dalbulus maidis*, *Graminella nigrifrons*, Insecticides, Mosaic (corn), Plant disease transmission, Spraying, Stunt (corn).
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IMPATIENS PARVIFLORA DC.- A NATURAL HOST OF CABBAGE BLACK RINGSPOT AND CUCUMBER MOSAIC VIRUSES.
Z Polak
Biol Plant 9(5):354-359 REF
1967 450 B52
Black ring spot (cabbage), Cabbage, Cucumbers, *Impatiens parviflora*, Mosaic (cucumbers), Virus diseases (plants), Weeds.
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THE MOSAIC DISEASE OF MULLEIN, *VERBASCUM THAPSIFORME* SCHRADER, OCCURRING IN CZECHOSLOVAKIA.
Z Polak S Neubauer
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1967 450 B52
Mosaic (*Verbascum*), Plant disease transmission, *Verbascum thapsiforme*, Virus diseases (plants).
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REDUCED WINTER SURVIVAL AND YIELD OF CLOVER INFECTED WITH CLOVER YELLOW MOSAIC VIRUS.
M J Pratt
Can J Plant Sci 47(3):289-294
May 1967 450 C16
Clover, Crop yields, Virus diseases (plants), Yellow mosaic (clover).
Abstract: Yield and stand was recorded of clover infected with CYMV. A pattern of deterioration was established. The involvement of fungal pathogens in further reducing the winter survival of CYMV-INFECTED clover is discussed.
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CONTROLLING FUNGI WITH 1,2-DICHLOROVINYL HYDROXYETHYL SULFIDE. PATENT 3,345,255.
G R Price M B McClellan
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Chemical control (plant diseases), Dichlorovinyl hydroxyethyl sulfide, 1,2-, Fungicides, Patents.
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CHANGES IN PEACH TREES (CV. RED HAVEN) ATTACKED BY *TAPHRINA DEFORMANS*, WITH PARTICULAR REFERENCE TO NITROGEN METABOLISM IN INFECTED AND NON-INFECTED LEAVES.
V Raggi
Can J Bot 45(4):459-477 REF
Apr 1967 470 C16C
Amino acids, Fungus diseases (plants), Glycolysis, Leaf curl (peaches), Leaves, Nitrogen, Peaches, Plant metabolism, *Taphrina deformans*.
- 14409-68
PREDICTION OF PLANT DISEASE OCCURRENCE; A PATHO-GEOGRAPHICAL APPROACH.
I Reichert J Palti
Mycopathol Mycol Appl 32(4):337-355, MAP, REF
13 Sep 1967 450 M994
Bacterial diseases (plants), Fungus diseases (plants), Plant disease forecasting, Plant ecology, Plant geography, Plant quarantine.
Abstract: This approach may be useful as a basis for quarantine regulations. A further use of this approach is the establishment of seasonal thresholds for plant disease appearance, i.e. dates before which a disease will not occur in a given locality.
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FURTHER STUDIES ON MOSAIC DISEASE OF MAIZE (*ZEA MAYS* L.).
M L Seth S P Baychaudhuri
Biol Plant 9(5):372-376 REF
1967 450 B52
Corn, Insect vectors, Mosaic (corn), *Schizaphis graminum*,

- Virus diseases (plants).
Abstract: On basis of similar properties, tolerance towards certain chemicals, host range, symptomatology, aphid vectors, and immunological tests, that maize mosaic virus and sugarcane mosaic virus are related viruses; both were tested in maize.
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FITOPATHOLOGICAL STUDIES ON ANTHRACNOSIS OF DIOSCOREA
ALATA L. (FATIU)-YAM.
B U Singh & Prasad
Indian Phytopathol 20(3):224-234 REF
Sep 1967 464.8 INZ
Anthracnose (yams), Climate, Colletotrichum gloeosporioides, Fungus diseases (plants), Temperature, Yams.
Abstract
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THE SURVIVAL IN SOIL OF ITESONILIA PASTINACAE CHANNON,
THE CAUSE OF EARLY CANKER.
F B Smith
Australian J Biol Sci 20(3):447-460 REF
Jun 1967 442.8 AU72
Canker (parsnips), Fungus diseases (plants), Itesonilia pastinacae, Mortality, Soil fungi.
Abstract
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FLAVICCAVIUM VIRUSES; SYMPTOMS, DIAGNOSIS AND CONTROL. (SW)
W Sodergren
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):51-63 REF
1967 464.9 SW3V
Pelargonium, Plant disease control, Virus diseases (plants).
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WOOD TANNINS. ISOLATION AND SIGNIFICANCE IN HOST
RESISTANCE TO VERMICILLIUM WILT DISEASE.
T C Schmers & F Harrison
Australian J Biol Sci 20(2):475-479 REF
Apr 1967 442.8 AU72
Apricots, Blackheart wilt (apricots), Phenols, Plant disease resistance, Tannins, Verticillium albo-atrum, wood.
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ATTACK OF ONIONS BY PHYTOFERTICIA FORBI. (DU)
G M Tichelaar Van & A Kesteren
Neth J Plant Pathol 43(3):103-104
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Fungus diseases (plants), Leaf spot (onions), Onions, Phytophthora perniciosa.
First record on onions.
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A SERIAL DILUTION END-POINT METHOD FOR ESTIMATING DISEASE
RESISTANCE OF CITRUS PHYTOFERTICIAS IN SOIL.
F B Tsao
Phytopathology 50(10):717-723 BIEL. 723-724, TABS.
Oct 1960 464.8 P56
Citrus, Fungus diseases (plants), Phytophthora, Soil fungi, Soil-borne plant diseases.
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INFLUENCE OF SOME NUCLEIC ACID METABOLISM INHIBITORS ON THE
SYNTHESIS OF ALKALINE PHOSPHATASE AND ALPHA-AMYLASE IN
ASPERGILLUS ORYZAE.
H Urbanek & Maciejewska-Potapczyk T Kowalczyk
Acta Microbiol Polon 16(3):237-242 REF
1967 444.3 AC62
Amylase, alpha-, Antimetabolites, Aspergillus oryzae, Nucleic acids, Phosphatases.
Abstract
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OCCURRENCE OF A MOSAIC DISEASE ON BRINJAL.
G S Verma & Lal
Indian Phytopathol 20(3):243-247
Sep 1967 464.8 INZ
Eggplant, Insect vectors, Mosaic (eggplant), Myzus persicae, Plant disease transmission, Sap, Virus diseases (plants).
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ENDOGENOUS RESPIRATION OF WHEAT STEW RUST UREDOSPORES.
F G Williams & J Allen
Phytopathology 57(7):656-661 REF
Jul 1967 464.8 P56
Fungus diseases (plants), Plant respiration, Puccinia graminis, Stem rust (wheat).
Abstract
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ULTRASTRUCTURAL STUDIES ON THE HOST-PARASITE RELATIONS OF
PLASMODIOPHORA BRASSICAE.
P H Williams & B Yukawa
Phytopathology 57(7):682-687 REF
Jul 1967 464.8 P56
Brassica, Cabbage, Clubroot (cruciferae), Electron microscopy, Plasmodiophora brassicae, Ultrastructure.
Abstract
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ELECTRON MICROSCOPY OF DOUBLE-STRANDED RNA INDUCED BY
TURNIP YELLOW MOSAIC VIRUS AND TOBACCO MOSAIC VIRUS.
D R Wolstenholme & E Bockstahler
Z Vererbungslehre 100(4):349-357 REF
1967 442.8 Z34
Cabbage, Electron microscopy, Mosaic (tobacco), Ribonucleic acid, Tobacco, Virus diseases (plants), Yellow mosaic (cabbage).
Abstract
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STUDY OF PARASITIC FUNGI OF SOUTHEAST ASIA. VII. FOURTH
NOTE ON SOME CERCOPORES AND STENELLA FROM SINGAPORE
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J M Yen
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Cercospora, Fungus diseases (plants), Stenella.
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SIGNIFICANCE OF SEEDLING RUST RESISTANCE OF SAFFLOWER AND
ITS RELATIONSHIP TO FOLIAGE RUST RESISTANCE.
D E Zimmer & L Urie
Phytopathology 57(7):772-776 REF
Jul 1967 464.8 P56
Crop varieties, Fungus diseases (plants), Leaves, Plant disease resistance, Puccinia carthami, Rust (safflower), Seedlings.
Abstract
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THE SADDLE GALL MIDGE (HAPLODIPLOPSIS EQUESTRIS) IN 1967.
(SW)
K Andersson
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):8-12
1968 464.9 SW3V
Chemical control (insects), Diazinon, Grain, Haplodiplosis equestris, Insect traps, Insecticide application.
Trapping determines proper timing of insecticide application.
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NOTE ON DAMAGE TO GRASSES IN THE PEACE RIVER REGION BY THE
SPITTLEBUG, PHILARONIA BILINEATA SAY, (CERCOPIDAE:
HEMIPTERA).
D A Arnott & I Bergis
Entomol Soc Brit Columbia Proc 64:8-9
01 Aug 1967 420 B77
Grasses, Philaronia bilineata.
Abstract
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THE PROTECTION OF PLANT COLLECTIONS FROM PESTS. 3. (RUS)
V G Ber
Bot Zhur (Moscow) 52(2):240-248 REF
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Herbariums, Insect pests, Plant pest control.
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FIELD. (SW)
A Borg
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):85-86
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Clover, Phyllobius viridicollis.

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1967 464.9 S43V
Legumes, Plant pests, Sitona.
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THE RELATIVE EFFICIENCY OF AERIAL APPLICATION OF ULTRA-LOW-
VOLUME AND EMULSIFIABLE CONCENTRATE FORMULATIONS OF
INSECTICIDES.
J R Erazzel W W Watson J S Bursh M H Adair
J Econ Entomol 61(2):408-413 EFF
Apr 1966 421 J822
Aerial spraying, Emulsions, Formulations,
Insecticide application, Ultra low volume applications.
Abstract
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PERSISTENCE OF HELICHTHIS NUCLEAR-POLYREDUCED VIRDS ON
COTTON FOLIAGE.
R E Enllick
J Invertebrate Pathol 9(3):434-436
Sep 1967 421 J826
Biological assay, Cotton, Heliothis virescens, Heliothis zea,
Insect diseases, Polyhedrosis, Surface-active agents.
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EPAUVERIA FASSIANA INFECTING ADULT CLOVER ROOT CIRCULIOS IN
MISSOURI.
W R Crow E Futtler D M Laugberty
J Econ Entomol 61(2):576-577
Apr 1966 421 J822
Epauveria fassiana, Insect diseases, Sitona hispidula.
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EDUTHER COPPER ON F32 LABELING MATERIAL IN THE BODY OF
APHIS FAHAE SCCE. AND ITS LARVAE (HOMOPTERA,
APHIDIDAE). (CE)
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Z Angew Zool 54(3):433-434
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Aphis fahae, Larvae, Phosphorus isotopes, Radioactive tracers.
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LOW-VOLUME APPLICATION OF MALATHION BY HELICOPTER FOR
CONTROLLING LARCH CASEBEARERS.
R E Denton S Tinnock
J Econ Entomol 61(2):582-583
Apr 1966 421 J822
Aerial spraying, Agathis pinella, Chemical control (insects),
Coleophora laricella, Helicopters, Larix occidentalis,
Low volume applications, Malathion, Parasitic insects.
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NOTES ON A SPRUCE BARK WEEVIL, PISODES ALASCENSIS
BECKING (COLEOPTERA: CERCYLIONIDAE), IN BRITISH
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Population statistics, Schizaphis.
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Economyia abietis, Forest insects, Gali-making insects,
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Chorizagrotis auxiliaris, Insect control, Mustard.
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P L Lorio
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BROWN PLANTHOPPER IN PADDY RICE.
M J MacQuilian
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Formulations, Integrated control (insects), Mearns,
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BUDWORM.
S J Newec P L Adkisson R W Dorrough
J Econ Entomol 61(1):209-213 REP
Feb 1968 421 J822
Chemical control (insects), Heliothis virescens,
Heliothis zea, Low volume application, Spraying,
Ultra low volume application.
Abstract
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K Olsson
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):40-45
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BASFEBBY MDESEY SICK.
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Amphophora agathonica, Chemical control (insects),
Fruit nurseries, Insecticides, Raspberries.
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SCHE COMBICI EXPERIMENT IN THE LABORATORY OF THE BAPPE BEETLE
(MELIGETES AENEUS L.) AND THE CABBAGE SEEDPOD WEEVIL
(CEUTHEREBYNCHUS ASSINILLIS. PAYK.). (SW)
K Scheraga
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):70-74
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Cabbage, Ceutorhynchus assinilis, Chemical control (insects),
Meligethes aeneus, Rape.
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EFFECT OF HOST PLANT GROW ON THE BEHAVIOUR OF THE ADULT
CABBAGE BEETLE ELY, RHODOSCHIA BRASSICAE.
E M M Traynier
Entomol Exp Appl 10(3):321-328
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Cabbage, Carrots, Food plants, Bylemya brassicae,
Insect behavior, Lettuce, Entabagas, Smell.
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TEMPERATURE, PLANT-GROWTH STAGE, AND INSECT-POPULATION
EFFECTS ON SEEDLING SURVIVAL OF RESISTANT AND SUSCEPTIBLE
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J A Webster E L Sorensen H H Painter
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Alfalfa, Empoasca fabae, Insect populations,
Plant pest resistance, Seedlings, Statistical analysis,
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G P Wene I W Sheets
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Aircraft disinfection, Cotton, Insect control, Malathion.
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HEILISH COLUMBIA (DIPTERA: TIPULIDAE).
A T S Wilkins R E MacCarthy
Entomol Soc Brit Columbia Proc 64:29-34 REF
01 Aug 1967 420 E77
Insect biology, Insect pests, Larvae,
Natural control (insects), Parasitic insects, Pastures,
Siphona geniculata, Tipula paludosa.
Abstract
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CHANGES ASSOCIATED WITH PARASITISM IN NEMATODES. II.
HISTOCHEMICAL AND MICROSPECTROPHOTOMETRIC ANALYSES OF PHE-
PARASITIC AND PARASITIC LARVAE OF MELOIDOGYNE JAVANICA.
A F Hird W Sander
J Parasitol 53(6):1262-1269 REF
Dec 1967 446.6 J824
Histochemistry, Larvae, Meloidogyne javanica, Nematodes,
Parasitism, Spectrophotometry.
Abstract: The esophageal regions of second-stage larvae of
M. javanica were examined with UV microspectrograph.
Histochemical tests of both these types of larvae supported
the results with microspectrograph and showed the
content of ducts of subventral esophageal glands change
their chemical composition in 2 to 3 days of entering the
host plant and become strongly periodic acid-Schiff posi-
tive.
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ALLYL DIALKYTHICARBAMATE NEMATOCIDES. PATENT 3,382,144.
M W Harman J J DiAmico
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Carbamates, Nematocides, Patents, Thiolcarbamates.
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ACETYLCHOLINESTERASE AND BUTYRYLCHOLINESTERASE IN THE LIVER
FLUKE (FASCIOLA HEPATICA).
S Krvavica A Lui S Beccejac
Exp Parasitol 21(2):240-248 REF
Oct 1967 436.8 EX7
Acetylcholinesterases, Cattle, Cholinesterases,
Fasciola hepatica, Histochemistry.
Abstract: A large quantity of acetylcholinesterases was
found in the muscles of the pharynx, the cirros, the cere-
bral ganglion, and nerves of the liver fluke. In both the
sporocyst and the redia the acetylcholinesterase is located
in the anterior part of the body; in the cercaria, however,
acetylcholinesterase is present not only in the region of
the c. ganglion but in the nerves and tail.
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WHAT CAN BE DEDUCED FROM THE POTATO CYST NEMATODE ANALYSIS
ACCORDING TO THE CYST FIGURE?. (SW)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):29-31
1967 464.9 S43V
Heterodera rostochiensis, Plant nematodes, Potatoes.
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ATTACK BY THE POTATO CYST NEMATODE DOES NOT ALWAYS SHOW
ABOVE THE GROUND. (SW)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):21-22
1967 464.9 S43V
Heterodera rostochiensis, Plant nematodes, Potatoes.
- 14460-68
THE OAT CYST NEMATODE ATTACKS ALL SPRING GRAIN. (SW)
G Videgard
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):88-90
1967 464.9 S43V
Grain, Heterodera schachtii, Oats.
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ROOT-LESION NEMATODES ASSOCIATED WITH FORAGE LEGUMES IN
THE MARITIME PROVINCES.
C B Willis L S Thompson
Can Plant Dis Surv 47(3):87-88
Sep 1967 464.9 C16S
Alfalfa, Birdsfoot trefoil, Clover, Forage plants, Legumes,
Plant nematodes, Pratylenchus.
Abstract: Pratylenchus more numerous from red clover roots
than from alfalfa, and were extracted from 46 of 70 root
samples.
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RECORD AIR APPLICATION OF HERBICIDE FORECAST FOR COTTON.
Anonymous
Aerial Appl 6(2):12
Feb 1968 333.8 AE8
Aerial weed control, Aircraft, Chemical control (weeds),
Cotton, Herbicides.

Weeds

Nematodes

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UNDESIRABLE PLANT SPECIES IN THE PRESENCE OF CROPS
THE WHITE. PATENT 3,351,458.

D D Emdarekko

US Patent Office Offic Gaz 844(1):250

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Chemical control (weeds), Crops, Herbicides, Patents,
Weed control.

14464-68

DETERMINATION OF SOME HERBICIDES BY SPECTROSCOPES.

B C Emdarekko A F Cmler

Weeds 13(3):249-252, 9 REES.

Jul 1965 75.8 W41

(trichlorophenoxy, 2,4,5-) propionic acid, 2-,
Chloro-N,N-diallylacetamide, 2-, CIPC, Dalapon,
Dichlorophenol, 2,4-, Dichloropropionic acid, 2,2-, Penac,
Isopropyl N-(3-chlorophenyl) carbamate,
Streptomyces viridochromogenes, T, 2,4,5-,
Trichlorophenoxyacetic acid, 2,4,5-,
Trichlorophenylacetic acid, 2,3,6-,
2-(2,4,5-trichlorophenoxy) propionic acid, 2,4-D.

14465-68

THE FIGHT AGAINST WEEDS.

C Campbell

Agr Chem 22(9):49-50

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Weed control, Weeds.

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B E Erennd E Arndt R Rusch

US Patent Office Offic Gaz 844(2):617

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Chemical control (weeds), Purans, Herbicides, Patents,
Weed control.

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PROCESS FOR KILLING GROWING PLANTS. PATENT 3,348,939.

C W Gier

US Patent Office Offic Gaz 843(4):1427

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Acetylenic carbonates, Chemical control (weeds), Herbicides,
Patents.

14468-68

DIALKYL AND DIHENYL ESTERS OF ARYLOXYACETYL-PHOSPHONIC ACID
AS HERBICIDES. PATENT 3,382,060.

C W Gier

US Patent Office Offic Gaz 850(1):224

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Aryloxyacetyl-phosphonic acid compounds, Herbicides, Patents.

14469-68

HERBICIDIAL COMPOSITION AND METHOD EMPLOYING SUBSTITUTED
BENZIMIDAZOLES. PATENT 3,325,271.

R Goldsmith B F Crawford

US Patent Office Offic Gaz 839(2):675

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Benzimidazoles, Herbicides, Patents, Sodium borate,
Weed control.

14470-68

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IN: ISCIENCES IN WEED RESEARCH: PROCEEDINGS OF A SYMPOSIUM,
VIENNA, 25-29 OCTOBER 1965 558S.59.

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Amitrole, Herbicides, Plant growth inhibitors.

Abstract

14471-68

PROCESS OF KILLING WEEDS EMPLOYING ACYLATED DREA
DERIVATIVES. PATENT 3,342,566.

J Iebureau F Foignant

US Patent Office Offic Gaz 842(3):1048

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Acylated urea compounds, Chemical control (weeds), Herbicides,
Patents, Weed control.

14472-68

HERBICIDIAL METHODS AND COMPOSITIONS COMPRISING 2-AMINO AND
LOWER ALKYLAMINO-5-HALOTHIAZOLES. PATENT 3,374,082.

A J Lewis

US Patent Office Offic Gaz 848(3):750

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Alkanamido-5-halothiazoles, Amino-5-halothiazoles, 2-,

Chemical control (weeds),

Chloro-2-thiazolyl)propionamide, N-(5-, Herbicides, Patents.

14473-68

METHOD FOR PREVENTING PLANT GROWTH. PATENT 3,340,043.

J E Clin

US Patent Office Offic Gaz 842(1):268

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Chemical control (weeds), Haloacetanilide, alpha, Herbicides,
Patents.

14474-68

PHYTOTOXIC COMPOSITIONS AND METHOD OF USE. PATENT 3,325,270.

J F Clin

US Patent Office Offic Gaz 839(2):675

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Haloacetamides, alpha-, Herbicides, Patents, Weed control.

14475-68

A SURVEY OF WEED LEAF STOMATA AND TRICHOMES.

D J Ormrod A J Renney

Can J Plant Sci 48(2):197-209 REF

Mar 1968 450 C16

Leaves, Spraying, Stomata, Weeds.

Abstract: A series of drawings was made depicting the dif-
ferent stomatal characteristics and types of trichomes.
It was estimated leaves of nine species had enough pube-
scence to influence retention or penetration of sprays. 35
species were examined. Implications for herbicidal control
discussed.

14477-68

COMPETITION IN EXPERIMENTAL POPULATIONS OF WEEDS WITH
EMERSON IN THE REGULATION OF POPULATION SIZE.

I G Palmblad

Ecology 49(1):26-34 REF WINTER

1968 410 EC7

Competition, Plant ecology, Seed germination, Weeds.

Abstract: Species were subjected to conditions of intra-
specific competition involving variable regimes of: (1) seed
sowing density, (2) soil surface, (3) fertilizer, (4) moisture,
etc. The population of some species may be further regulat-
ed by: (1) self-controlled germination, (2) mortality, (3)
individual plasticity.

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METHOD OF CONTROLLING THE GROWTH OF UNDESIRABLE PLANTS.

PATENT 3,342,583.

E A Regel

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Chemical control (weeds), Herbicides, Patents,
Phosphine sulfides.

14480-68

METHOD FOR THE CONTROL OF WEEDS. PATENT 3,333,944.

A A Levin S R Richter

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Chemical control (weeds), Herbicides, Patents,
Thiobenzoic acids, Weed control.

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PATENT 3,340,042.
H Schwartz J E Skaptason
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Aromatic hydrocarbons, Benzanilide, Chemical control (weeds),
Herbicides, Oxygenated organic solvent, Patents, Synergists.
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S H Selcway K D Zuhlen
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Chemical control (weeds), Herbicides, Patents, Phenylureas.
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T Takematsu M Kado
US Patent Office Offic Gaz 841(1):223
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Chemical control (weeds), Cyclohexenyl cyclohexanone, 2-(1-,
Dichloropropicanilide, 3,4-, Herbicides, Patents,
Pesticide mixtures.
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METHOD OF CONTROLLING UNDESIRABLE PLANT GROWTH.
PATENT 3,360,356.
J F Vartiak
US Patent Office Offic Gaz 845(4):1457
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Chemical control (weeds), Herbicides, Patents, Polymers,
Spraying, Weed control.
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BENZENE HEXACHLORIDE AS A PRE-EMERGENCE HERBICIDE.
PATENT 3,356,486.
E L Walworth
US Patent Office Offic Gaz 845(1):248
05 Dec 1967 156.65 CF2
Benzene hexachloride, Benzene hexachloride, delta-,
Herbicides, Lindane, Patents, Pre-emergence, Weed control.
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PATENT 3,361,554.
G Weissenberger
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Patents.
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Chemical control (weeds), Herbicides,
Hydroxyethyl-2,6-dichlorothiobenzenamide, N-,
Methyl-2,6-dichlorothiobenzenamide compounds, Patents,
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Molluscicides, Patents, Phenylsalicylanilides, 3-.
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(SW)
I Nilsson
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):67-70
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Field crops, Plant pest control, Slugs.

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Malate dehydrogenase, Rats, Roughage, Thyroxine.
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Cattle, Diet, Iodine, Milk.
Where bulk milk iodine content is less than 25 micrograms
per litre, iodine requirements for dairy herds with average
yields are not being met.
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J E Alicata
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Cattle, Cooperia punctata, Immunity, Immunization, Larvae.
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P B Austin
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STRAIN FAV-1.
F A Bachmann E E Sheffy G Siegl
Arch Gesamte Virusforsch 22(3-4):467-471 REF
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Cytopathology, Bog cholera virus, Physiology, Tissue culture,
Viruses.
Abstract: Primary SFE pig kidney cultured bog cholera
virus strain FAV-1 at passages 2B, 135 and 205 was studied
for cytopathogenicity in PK cell cultures. No adenovirus,
BVU virus or mycoplasma were demonstrated in these cultures
although typical cytopathic changes developed. Cytopathic
changes recorded were due to bog cholera virus infections.
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EFFECT OF FERTILIZATION ON CHEMICAL COMPOSITION, NUTRITIVE
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L M Bezeau L E Lutwick A U Smith A Johnston
Can J Plant Sci 47(3):269-272 REF
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Cattle, Fertilizers, Festuca, Festuca scabrella, Nitrogen,
Phosphorus, Proteins, Silica, Urolithiasis.
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LANKESTERELLA (ATCICLASMA, GARRERAN, 1950).
E U Fox
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Animal diseases, Birds, Coccidiosis, Lankesterella.
Abstract: Parasitemia and death from Lankesterella in-
creased when sparrows were caged together with access to
fecal contamination. Administration of Isospora occysts to
adult and nestling sparrows and canaries also increased
parasitemia and death from Lankesterella.
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Carcinoma, Dogs, Intestines.
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Bats, Cave fauna, Rabies.
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AN ANALYSIS OF CURRENT INSPECTION PROCEDURES FOR DETECTING
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L W Dewhurst J O Cramer J J Sheldon
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Agglutination test, Carcasses, Cattle, Echinococcosis,
Meat inspection, Taenia saginata.
Abstract: Comparisons of prescribed United States inspec-
tion procedures for bovine cysticercosis with more extensive
examinations of the predilection sites showed that the
prescribed procedures did not detect infection in at least
26 percent of the carcasses. Antemortem test utilizing
intradermal and hemagglutination tests were more accurate in
detecting infected animals than the currently prescribed
inspection procedures for carcasses.
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J T Edgar I M Thin
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Cattle, Poisoning, Poisonous plants, Pteridophyta.
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AN ATTEMPT TO PRODUCE SWAYBACK IN LAMBS BORN TO EWES
USED WITH HIGH LEVELS OF MOLYBDENUM, INORGANIC SULFATE
AND MANGANESE DURING PREGNANCY.
U A Egan T O Cuill
Irish Vet J (N.S.) 22(2):2B-32 REF
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Manganese, Molybdenum, Sheep, Sulfates, Swayback.
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HYPOCALCAEMIA AND HYPERMAGNESEAEMIA IN LACTATING AWASSI
EWES.
M Egyed A De Lange
Refuah Vet 24(1):36-34 REF
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Calcium phosphates, Hypermagnesemia, Hypocalcemia, Lactation,
Sheep.
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OCCURRENCE OF TRYPANOSOMA THEILERI IN BOVINE PERIPHERAL
BLOOD.
S A Ewing U L Carnahan
Amer Vet Med Ass J 150(10):1131-1132 REF
15 May 1967 41.B AM3
Blood, Cattle, Trypanosoma theileri.
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RUMINAL LESIONS IN CATTLE FEED ON BARLEY.
B P Fell M Kay J T Walker
Vet Rec 81(27):715-716
30 Dec 1967 41.B V641
Barley, Cattle, Rumen.
Apparently due to the sharp, hollow hairs on barley.
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BRUCELLOSIS REACTIONS AMONG VACCINATED CATTLE.
P O Fichandler
Amer Vet Med Ass J 150(6):624-626 REF
15 Mar 1967 41.B AM3
Brucellosis, Cattle, Immunization.
Abstract: Of 35 Connecticut cattle classified as brucello-

sis reactions during a 2-year period, 76 percent were either proved or suspected of being vaccinated with strain 19 vaccine when more than 8 months old and some when as much as 16 months old. Persistent high titers in these over-age vaccinated cattle, which resulted in their being classified as reactors at adulthood, delayed the certification of Connecticut as a brucellosis-free state for over a year.

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ENCEPHALOMYCCARDITIS VIRUS INFECTIONS IN FLORIDA.
1960-1966.
J H Gainer
Amer Vet Med Ass J 151(4):421-425 REF
15 Aug 1967 41.8 AM3
Animals, Calves, Encephalomyocarditis viruses, Monkeys,
Pesticides, Fcisoring, Rats, Swine.
Abstract: Twenty-four isolations were made from 18 animals
representing 8 species, eleven from swine, 114 of which
died. In several swine and 1 calf, chemical analysis of
tissues intimated complicating chemical poisoning, particu-
larly by pesticides. These isolations suggested a high
prevalence of the virus widely distributed in Florida, and
that swine and subhuman primates are particularly suscep-
tible. The importance of infection in herbivorous animals and
the possible significance of related chemical poisonings to
the virus infections are not now known.
- 14510-68
LISTERIC MYELITIS IN SHEEP.
G A Gates L C Plenden I D Kintner
Amer Vet Med Ass J 150(2):200-204 REF
15 Jan 1967 41.8 AM3
Lambs, Listeria monocytogenes, Listeriosis, Mortality, Sheep.
Abstract: Four lambs with listeric myelitis characterized
by paralysis of one or more limbs had no significant lesions
in their brain stems nor any clinical signs related to dys-
function of the brain or cranial nerves. Listeria monocy-
togenes was isolated from the spinal cords of 2 of the lambs
but not from the brains. The flock of which these lambs
were a part had a 34 percent (49 of 145 sheep) mortality due
to encephalitic listeriosis.
- 14511-68
AVAILABILITY AND UTILIZATION OF MAGNESIUM FROM DOLOMITIC
LIMESTONE AND MAGNESIUM OXIDE IN STEERS.
H J Gerken J F Echtenot
J Anim Sci 26(6):1404-1408 REF
Nov 1967 49 J82
Cattle, Diet, Hypomagnesemia, Limestone, Magnesium oxide.
Abstract
- 14512-68
ISOLATION OF SALMONELLA TYPHIMURUM FROM CARRIER PIGS.
B Gitter A B Kidd
Vet Rec 81(14):358-359
30 Sep 1967 41.8 V641
Livestock diseases, Salmonella typhimurium, Swine.
- 14513-68
THE DETECTION OF ENZOOTIC PNEUMONIA IN PIG HERDS. I. EIGHT
YEARS GENERAL EXPERIENCE WITH A PILOT CONTROL SCHEME.
E E W Goodwin E Whittlestone
Vet Rec 81(25):643-647
16 Dec 1967 41.8 V641
Animal diseases, Germ-free life, Pneumonia, Swine.
- 14514-68
PRELIMINARY EXPERIMENTS WITH ANTIGENS OF THEILERIA PARVA
(THEILER, 1904).
B N Goulay E W Erocklesby
Brit Vet J 123(12):533-540
Dec 1967 41.8 V643
Antigens, Cattle, Insect vectors, Precipitin test,
Bbipicephalus appendiculatus, Theileria parva.
- 14515-68
PRELIMINARY EVALUATION OF A TRIVALENT BOVINE VACCINE.
A E Granston C J Welter
Vet Med/Small Anim Clin 63(1):56-63 REF
Jan 1968 41.8 M69
Bovine rhinotracheitis vaccines,
Bovine virus diarrhoea vaccines, Calves, Parainfluenza-3 virus,
Vaccines.
- 14516-68
A CONTAGIOUS FOX DISPOSE IN MONKEYS.
A S Ball W E McNulty
Amer Vet Med Ass J 151(7):833-838 REF
01 Oct 1967 41.8 AM3
Epidemiology, Humans, Monkeys, Foxviruses, Skin diseases.

Abstract: A spontaneously occurring, contagious, epidermal
disease in macaques was transmitted to animal handlers. The
clinical course and morbid anatomy was characteristic of a
pox infection; however, the isolated agent, while morpholog-
ically a pox virus, was not a type that is presently known
to infect monkeys or man. Although the method of transmis-
sion from monkey to monkey is unknown, handlers usually
contracted the disease through small scratch wounds on the
arms. The disease has a benign and relatively short course.

- 14517-68
INFLUENCE OF A PENICILLIN-STREPTOMYCIN PREPARATION ON LAMB
MORTALITY.
A H Handy D R Redman E S Bell C F Parker
Amer Vet Med Ass J 150(2):196-199 REF
15 Jan 1967 41.8 AM3
Antibiotics, Lambs, Mastitis, Mortality, Penicillin,
Pneumonia, Sheep, Streptomycin.
Abstract: Pregnant ewes were treated intramuscularly with
penicillin-streptomycin both prior to and after lambing.
The same preparation was given to their lambs intramuscu-
larly at birth and twice weekly until they were 30 days old.
Mastitis and pneumonia resulting in death occurred in non-
treated control ewes. Mortality was halved in treated over
untreated lambs. Average weight gain was slightly higher
in the treated than in the untreated lambs.
- 14518-68
MYCOTIC DERMATITIS IN SHEEP. I. CLINICAL OBSERVATIONS IN
GREAT BRITAIN.
C B Hart
Vet Rec 81(2):36-47 REF
08 Jul 1967 41.8 V641
Dermatophilus congolensis, Mycotic dermatitis, Sheep.
Abstract: Disease more severe on back than flanks. Disease
activity high during wet season and low during dry season.
Distribution of lesions suggests that treatment on back
only would be sufficient.
- 14519-68
EVALUATION OF A RAPID WHOLE BLOOD TEST FOR BRUCELLOSIS.
B C Hatfield
Amer Vet Med Ass J 150(3):307-310 REF
01 Feb 1967 41.8 AM3
Agglutination test, Blood, Brucella abortus antigens,
Brucellosis, Cattle.
Abstract: Several antigens were tested on the whole blood
of almost 1,000 cattle from 8 ranches, and over 7,500 agglu-
tination tests were examined. Tests were done at the site
and time of collection of fresh blood, and on citrated
blood the following day in the laboratory. Results of whole
blood agglutination tests were generally similar to those
obtained with standard plate seroagglutination technique.
A distinct advantage of this rapid whole blood agglutina-
tion technique is a saving in time and labor in screening
out reactors and suspects in a brucellosis eradication pro-
gram.
- 14520-68
THE CONTROL AND ERADICATION OF SALMONELLOSIS IN A CLOSED
PIG HERD.
T W Heard N E Jennett A R Linton
Vet Rec 82(4):92-99 REF
27 Jan 1968 41.8 V641
Feces, Infections diseases, Livestock diseases, Nitrofurans,
Salmonellosis, Swine.
- 14521-68
CORYNEBACTERIUM ULCERANS INFECTIONS IN A DAIRY HERD.
T M Biggs A Smith L M Cleverly F K Neave
Vet Rec 81(2):34-35
08 Jul 1967 41.8 V641
Cattle, Corynebacterium diphtheriae, Livestock diseases,
Mastitis.
Abstract: Udder infection by this bacterium is infrequent.
A high proportion of cows, however, may become infected.
Cell counts and Whiteside results indicate that infections
may be as severe as those of staphylococci and streptococci.
- 14522-68
DETECTION OF CLOSTRIDIUM BOTULINUM TYPE C CELLS AND TOXIN
BY THE FLUORESCENT ANTIBODY TECHNIQUE.
B F Bunter M N Rosen
Avian Dis 11(3):345-353 REF
Aug 1967 41.8 AV5
Cells, Clostridium botulinum, Fluorescent antibody technic,
Poultry, Toxins.
Abstract

30 14523-68

14523-68

VIRUS ISOIATION AUS DEN CAECALEN TONSILLEN DES HUHNE
(VIRUS ISOIATION FROM THE CECAL TONSILS OF HEN).

A S B A Ismail
Hannover Tierarztl Hochschule Inaug Diss 19,92P.
1966 41.2 H196
Poultry, Tonsils, Virus diseases (animals).

14524-68

RESEARCH ON THE PROPERTIES OF THE PATHOGENIC ASPERGILLUS;
THE MAJOR SPECIES ASPERGILLUS FUMIGATUS A. CLAVATUS, A.
FLAVUS. (EF.)
J Jacquet F Ecuitbennes
Acad Vet France Bull 40(4), 169-180. REP.
Apr 1967 41.9 F24
Aspergillus, Aspergillus, Aspergillus clavatus,
Aspergillus flavus, Aspergillus fumigatus, Livestock,
Morphology.

14525-68

SERIALIC BOVINE ENCEPHALOMYELITIS ISOLATION AND
IDENTIFICATION OF A PSITTACOSIS LYMPHOGRANULOMA
VIRUS (FIV) AGENT.
Kaiser T Nobel F Neuman U Klopfer
Refuah Vet 24(1):51-43 REP
Mar 1967 41.8 B25
Animal histology, Brain diseases, Cattle, Livestock diseases,
Miyagawaella group viruses,
Sporadic bovine encephalomyelitis.

14526-68

THE VAGINAL MUCUS AGGLUTINATION TEST FOR BOVINE VIBRIOSIS.
J W Kendrick
Amer Vet Med Ass J 15D(5):495-498 REP
01 Mar 1967 41.8 AM3
Agglutination test, Cattle, Diagnosis, Vibrio fetus,
Vibriosis.
Abstract: The vaginal mucus agglutination test was found to
be a convenient, accurate method for diagnosing bovine vi-
briosis, based on both experimental and field observations.
Adaptation of a human vaginal tampon decreased the cost and
increased the convenience of the test. Testing in Califor-
nia indicated that vibriosis is an important cause of bo-
vine infertility.

14527-68

STUDIES ON THE DIFFERENTIATION OF MYXOVIRUS INDCED
INTERFERENCE AND ENDOGENOUS PYROGEN FROM RABBITS.
H Kchbhae W Follmann R Siegert
Lif. Sci 7(1):627-633 REP
01 Jun 1968 442.8 L62
Biochemistry, Fever, Interferon, Myxoviruses, Rabbits.
Abstract: The fever curve and interferon titer seen after
inoculation of rabbits with myxovirus show striking
similarities. The two substances are however not identical.
They can be separated partially by gel filtration and
totally by fractionated ethanol precipitation. Dialysis
against HCl-RCl buffer pH 2.0 and against urea or 2-
mercaptoethanol shows that the endogenous pyrogen is con-
siderably more labile than interferon.

14528-68

DISTRIBUTION OF VIRUS NEUTRALIZING ANTIBODIES TO DIFFERENT
STRAINS OF RCD5 SARCOMA VIRUS AMONG (NORMAL) CHICKS.
A T Kravchenko A L Altstein E S Vcronin
Arch Gesamte Virusforsch 22(3-4):356-363 REP
1967 446.3 AE23
Antibodies, Chicks, Rous sarcoma virus, Serodiagnosis.
Abstract: Antibodies of different strains of Rous sarcoma
virus were found in the sera of about 50 percent of chicks.
Forty percent of chicken sera investigated contained anti-
bodies to the Eryu strain. Antibodies to other strains
of Rous sarcoma virus were found in a significantly lower
proportion (3-15 percent). Study of the sera of horses im-
munized with allantoic cultures of influenza viruses reveal-
ed antibodies of the Eryu strain but not to the other
strains of Rous sarcoma virus.

14529-68

THE EFFECT OF MANAGEMENT ON THE INCIDENCE OF CLINICAL
JOHNE'S DISEASE.

A B Larsen E S Merkall
Amer Vet Med Ass J 152(12):1771-1773 REP
41.8 AM3

Animal husbandry, Calves, Cattle, Johne's disease,
Mycobacterium paratuberculosis.
Abstract: The incidence of Johne's disease and the ages at
which clinical signs were observed was compared in 2 herds,
one kept under poor sanitary conditions (herd A) and other
under good sanitary conditions (herd B). Sixty-two per

cent of the calves in herd A developed a sensitivity to
Johnin compared with 6.2 per cent of calves in herd B. The
annual incidence of clinical Johne's disease was 4.2 per
cent in herd A and 1.4 per cent in herd B. The highest
incidence of clinical disease was observed in 6- and 7-year-
old cattle in herd A and in 6-, 8-, and 9-year-old cattle
in herd B. These figures were statistically significant,
and cattle in both herds were older when clinical signs of
disease was first observed than previous studies had report-
ed.

14530-68

DETECTION OF ACQUIRED IMMUNITY OF THE CHICKEN TO EIMERIA
TENELLA INFECTION.

W D Leatham W C Burns
J Parasitol 54(2):227-232 REP
Apr 1968 448.8 J824
Chickens, Coccidiosis, Eimeria tenella, Immunity.
Abstract: The study suggests that chickens, immunized by
multiple dose of E. tenella, develop only a condition of
"relative immunity." Immunity, whereby the host is protect-
ed against fatal E. tenella infection, was found to be
effective for at least 105 days. Complete immunity was not
found in this study.

14531-68

SIMULTANEOUS VACCINATION OF CATTLE WITH CONTAGIOUS BOVINE
PLEURO-PNEUMONIA AND GOAT-ADAPTED RINDERPEST VACCINE.

E P Lindley
Hull Epizoot Dis Afr 15(3):221-226
Sep 1967 41.8 B872
Cattle, Immunization, Pleuropneumonia, Rinderpest virus,
Viral vaccines.

14532-68

SCRAPIE IN A DORSET HORN EWE.

A I Littlejohn S Terlecki
Vet Rec 81(14):355-357 REP
30 Sep 1967 41.8 V641
Dorset Horn sheep, Livestock diseases, Scrapie.

14533-68

EPIZOOTIOLOGY OF BRUCELLOSIS IN A FLOCK OF SHEEP.

D W Luchsinger R K Anderson
Amer Vet Med Ass J 15D(9):1017-1021 REP
01 May 1967 41.8 AM3
Abortion, Agglutination test, Brucella abortus, Brucellosis,
Cattle, Sheep.
Abstract: Brucella abortus type infection was confirmed in
sheep by seroagglutination titers. Ewes aborted or gave
birth to weak lambs. B. abortus type I was isolated from
cattle maintained with the sheep. The extensive spread of
infection within this flock of sheep was attributed to
animal husbandry practices and ecologic conditions.

14534-68

IODINE UPTAKE BY OVA OF HENS GIVEN EXCESS IODINE AND EFFECT
UPON OVA DEVELOPMENT.

W A Marcilese R E Barms R M Valsecchi L B Arrington
J Nutr 94(2):117-120
Feb 1968 389.8 J82
Chickens, Iodine isotopes, Ova.

14535-68

A CLINICAL AND PATHOLOGIC STUDY OF THE MASTITIS-MERITIS
AGALACTIA SYNDROME OF SOWS.

C E Martin R E Cooper C B Armstrong R E Amstutz
Amer Vet Med Ass J 151(12):1629-1634 REP
15 Dec 1967 41.8 AM3
Agalactia, Mastitis, Meritis, Swine.
Abstract

14536-68

SALMON POISONING DISEASE. IV. TRANSMISSION OF THE
DISEASE TO DOGS BY NAUPHYETUS SALMINCOLA EGGS.

F A Nyberg S E Knapp R E Milleman
J Parasitol 53(4):694-699
Aug 1967 448.8 J824
Dogs, Nauphyetus salmincola, Neorickettsia helminthoeca,
Trematoda.
Intraperitoneal injection
Abstract

14537-68

COMPARISON OF EDIBLE MICROBIAL INHIBITION RESULTING FROM
VARIOUS ESSENTIAL OILS ISOLATED FROM RELATIVELY
UNPALATABLE PLANT SPECIES.

R K Oh M B Jones W M Loughurst
Appl Microbiol 16(1):39-44
Jan 1968 446.3 AF5

- Cattle, Deer, Essential oils, Microorganisms, Rumen, Weeds.
Abstract
- 14538-66
EVALUATION OF UREA, FIBRE, UREA PROSEPHATE AND URIC ACID AS NEW SOURCES FOR CATTLE.
B E Oltjen I I Slyter A J Kczak E E Williams
J Nutr 94(2):193-202 REF
Feb 1968 385.8 J82
Animal nutrition, Fiuret, Carbonate phosphoric acid, Cattle, Urea, Uric acid.
Nonprotein nitrogen
Abstract
- 14539-66
DIETILARIA TENUIIS CONTAINING MICROFILARIAE IN MAN.
G Facbeco E L Schfield
Amer J Trop Med Hyg 17(2):180-182
Mar 1968 448.8 AM326
Diethylcarbamazine, Dirofilaria, Human diseases, Leukocytosis.
D. tenuis adult female and probable microfilaria found in man. The natural host is raccoon.
- 14540-66
THE RELATIONSHIP OF EXPOSURE RATE AND EXPOSURE TIME TO RADIATION INJURY IN SHEEP.
N F Fage E J Ainsworth G F Lecng
Radiat Res 33(1):94-106 REF
Jan 1968 334.8 E11
Cobalt isotopes, Gamma rays, Injuries, Radiation, Sheep.
Abstract
- 14541-68
RESISTANCE OF CATTLE TO BRUCELLA ABORTUS FOLLOWING VACCINATION AT 1 AND THREE MONTHS OF AGE.
D R Fedran E I Deyce N B King
Amer Vet Med Ass J 150(4):403-407 REF
15 Feb 1967 41.8 AM3
Abortion, Agglutination test, Brucella abortus, Cattle, Immunization.
Abstract: Of heifers vaccinated at 2 months, 3 became infected and 2 aborted. Three heifers vaccinated at 3 months became infected, 2 of which aborted. Of the pregnant nonvaccinated controls, 4 became infected and aborted. Postvaccinal agglutinin titers were lower and receded to a negative status sooner in cattle vaccinated when 2 and 3 months old. Resistance to infection of 2- and 3-month-old vaccinated cattle compared favorably with resistance previously found in cattle vaccinated when 4 to 8 months old.
- 14542-66
ETIOLOGY AND DISSEMINATION OF THE BLACKHEAD DISEASE SYNDROME IN TURKEYS AND CHICKENS.
W M Field
Exp Parasitol 21(2):245-275 REF
Oct 1967 436.8 EX7
Arthropoda, Blackhead, Chickens, Earthworms, Eimeria gallinarum, Eimeria meleagridis, Turkey.
- 14543-66
STUDIES ON THE MODE OF ACTION OF QUINOLONE AND PYRIDONE CCCCIDICSTATS.
J F Fyfe
J Parasitol 53(6):1151-1160 REF
Dec 1967 448.8 J824
Benzylcy-6-n-butyl-3-methoxycarbonyl quinol-4-one, =7-, Biochemistry, Buguinate, Chicks, Coccidiosis, Coccidiostats, Eimeria brunetti, Eimeria tenella, Etilchlorindol, Pyridone, Quinolone.
- 14544-66
REACTIONS FOLLOWING INTRAMAMMARY INFUSION OF E. COLI ENDOTOXIN.
C W Schalm G Ziv-Silberman
Vet Rec 82(4):100-103
27 Jan 1968 41.8 V841
Cattle, Escherichia coli, Lipopolysaccharides, Livestock diseases, Mastitis.
Description of clinical characteristics of sterile endotoxin mastitis observed in nine cows following intramammary infusions of endotoxin.
- 14545-66
CANINE VACCINATION IN A RURAL OHIO COUNTY.
F R Schnurkreiter J B Russell
Amer Vet Med Ass J 150(6):621-623 REF
15 Mar 1967 41.8 AM3
Canine distemper, Dogs, Immunization, Rabies, Surveys.
Abstract: A door-to-door census of 33 percent of the households in a rural county in northwestern Ohio revealed that only 22.5 percent of the dogs had been vaccinated against distemper and 8.6 percent against rabies. Vaccination rates were higher among females, purebreds, and dogs over 1 year of age. Geographic location, license status, number of dogs owned, and household size seemed unrelated to vaccination status.
- 14546-68
THE RECOVERY OF HOG CHOLERA VIRUS FROM SWINE WITH AN IN UTERO INFECTION.
W L Schwartz R F Solczano E B Hamilton J E Thigpen
Amer Vet Med Ass J 150(2):192-195 REF
15 Jan 1967 41.8 AM3
Baby pigs, Hog cholera virus, Serum neutralization test, Swine, Uterus.
Abstract: Hog cholera virus was detected in swine 5 months after classical signs and lesions had ceased. The virus was propagated in pregnant sows given anti-hcg cholera serum. The occurrence of stillbirth, deformities, and central nervous system disturbances in new born pigs was indicative of an in-utero hog cholera virus infection. Serum-neutralizing hog cholera antibodies were demonstrated in 2 pigs that were euthanized at 3 months of age. There were no apparent signs of illness in these pigs.
- 14547-68
FILARIASIS OF ELEPHANTS IN CEYLON.
P Seneviratna J E Jayasinghe M R Jaindeen
Vet Rec 81(27):716-717 REF
30 Dec 1967 41.8 V641
Elephants, Filariasis.
22 Domestic elephants infected with what is probably a new species.
- 14548-68
A COCCIDIA-LIKE ORGANISM ASSOCIATED WITH SUBCUTANEOUS GRANULOMATA IN A DOG.
G C Shelton L D Kintner D O MacKintosh
Amer Vet Med Ass J 152(3):263-267 REF
01 Feb 1968 41.8 AM3
Animal histology, Coccidiosis, Dogs, Granuloma.
Abstract: A disease characterized by proliferating subcutaneous nodules and a nonfebrile wasting illness was observed in a 6-month-old Collie. Histopathologic studies revealed parasitic organisms which morphologically and histologically resembled a subcutaneous form of coccidiosis. The dog apparently recovered; died 2 months later of canine distemper. Organisms resembling coccidia remained in subcutaneous tissues at the time of death.
- 14549-68
DEVELOPMENT OF A CELL CULTURE SYSTEM SUSCEPTIBLE TO MEASLES, CANINE DISTEMPER, AND RINDERPEST VIRUSES.
A Shishido K Yamanouchi M Hikita T Sato A Fukuda F Kohune
Arch Gesamte Virusforsch 22(3-4):364-380 REF
1967 448.3 AB23
Canine distemper virus, Chick embryos, Culture media, Measles virus, Rinderpest virus, Tissue culture.
Abstract: By using Vero cell adapted strains of canine distemper and rinderpest viruses, techniques of infectivity titration and virus neutralization in Vero cells were established. Comparative studies of cytopathology and growth characteristics of canine distemper, rinderpest, and measles viruses indicated that the behavior of the three viruses in Vero cells is almost the same. The Vero cell system was suggested as a suitable host for the comparative study of the serologic and biologic relationships among measles, canine distemper, and rinderpest viruses.
- 14550-68
IMMUNOGENIC PROPERTIES OF BACTERIAL SERUM ANTIGENS.
K B Sihinovic S Sihinovic M Ristic B W Cox
J Parasitol 53(6):1121-1129 REF
Dec 1967 448.8 J824
Antibodies, Antigens, Immunization, Piroplasmosis, Serum.
Abstract: The presence of antigens found in the sera of horses, dogs, and rats with acute babesiosis was correlated with the appearance and persistence of parasitemia. The data indicate that these serum antigens are probably the significant immunizing substances associated with acute babesiosis. They show a remarkable lack of parasite species specificity in both serologic and immunogenic properties.
- 14551-68
RELATIONSHIP BETWEEN CALCIUM AND MAGNESIUM BINDING TO FRACTION I CHLOROPLAST PROTEIN AND BLOAT.
P B Stifel B L Vetter R S Allen
J Agr Food Chem 16(3):500-504
May 1968 381 J8223

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- Alfalfa, Elcat, Calcium, Cattle, Magnesium, Plant proteins, Sheep.
- 14552-66
PURIFICATION OF AMBROTEIC AND BASIC ANTIBIOTICS. PATENT 3,376,339.
G Svahnclm
Us Patent Office Cific Gaz 249(1):205
02 Apr 1966 156.65 CF2
Antibiotics, Patents, Polymyxin B, Streptomycin, Tetracycline.
- 14553-66
BRUCILLOSIS. INTERSTATE MOVEMENT.
Fed Regist 33(72):5678
12 Apr 1966 L1.451
Brucellosis, Cattle, Interstate commerce.
- 14554-66
BRUCILLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SIAUGFIERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCILLOSIS AREAS.
Fed Regist 32(191):13757
03 Oct 1967 L1.451
Brucellosis, Cattle, Interstate commerce.
- 14555-66
BRUCILLOSIS. PUBLIC STOCKYARDS.
Fed Regist 32(244):18086-18087
19 Dec 1967 L1.451
Brucellosis, Infections diseases, Livestock, Stockyards.
- 14556-66
BRUCILLOSIS IN CATTLE. NOTICE OF PROPOSED RULE MAKING.
Fed Regist 33(12):633-634
18 Jan 1968 L1.451
Brucellosis, Cattle, Interstate commerce.
- 14557-68
CYSTICERCCSIS. RESTRICTIONS ON INTERSTATE MOVEMENT OF CATTLE; QUARANTINE.
Fed Regist 33(71):5613
11 Apr 1968 L1.451
Cattle, Echinococcosis, Interstate commerce.
- 14558-66
CYSTICERCCSIS. RESTRICTIONS ON INTERSTATE MOVEMENT OF CATTLE. QUARANTINE.
Fed Regist 33(76):5943
18 Apr 1968 L1.451
Cattle, Echinococcosis, Interstate commerce.
- 14559-66
SCABIES IN CATTLE. AREAS QUARANTINED BECAUSE OF SCABIES.
Fed Regist 33(19):1669
27 Jan 1968 L1.451
Cattle, Interstate commerce, Quarantine, Scabies.
- 14560-66
BRUCILLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SIAUGFIERING ESTABLISHMENTS. MODIFIED BRUCELLOSIS AREAS.
Fed Regist 32(218):15577-15578
09 Nov 1967 L1.451
Brucellosis, Cattle.
- 14561-66
ANTIBIOTICS USED IN FEED-PRODUCING ANIMALS.
Fed Regist 33(71):5616
11 Apr 1968 L1.451
Antibiotics, Eggs, Livestock, Metabolites, Milk, Public health, Residues, Tissues.
- 14562-66
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(75):5896
17 Apr 1968 L1.451
Arsanilic acid, Bngninolate, Chickens, Chlortetracycline, Coccidiosis, Enteritis, Feed, Nitro-4-hydroxyphenylarsonic acid, 3-, Respiratory diseases, Synovitis.
- 14563-66
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES ERYTHROMYCIN TRICRYANATE AND DIMETRIDAZOLE.
Fed Regist 33(55):4751
20 Mar 1966 L1.451
Blackhead, Dimetridazole, Erythromycin thiocyanate, Feed additives, Tolerances, Turkeys.
- 14564-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES ERYTHROMYCIN AND DIETHYLSTILBESTROL.
Fed Regist 32(159):11896
17 Aug 1967 L1.451
Cattle, Diethylstilbestrol, Erythromycin, Fattening, Feed additives, Liver diseases.
- 14565-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE RUQUINOLATE.
Fed Regist 33(55):4751
20 Mar 1968 L1.451
Bnguinolate, Chickens, Coccidiostats, Feed additives.
- 14566-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE TYLOSIN.
Fed Regist 33(55):4751
20 Mar 1968 L1.451
Chickens, Feed additives, Respiratory diseases, Tylosin.
- 14567-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE SODIUM ARSANILATE.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Blackhead, Feed additives, Sodium arsanilate, Turkeys.
- 14568-68
NITRODAN; PROPOSED REVOCATION.
Fed Regist 32(206):14697
24 Oct 1967 L1.451
Anthelmintics, Dogs, Drugs, Nitrodan, Regulations.
- 14569-68
NOTICE OF FILING OF PETITIONS FOR FOOD ADDITIVES CARBARSONE (NOT U.S.P.), ZINC BACITRACIN, ZOALENE.
Fed Regist 33(86):6753
02 May 1968 L1.451
Blackhead, Carbarson, Coccidiosis, Feed additives, Sinusitis, Turkeys, Zoalene.
- 14570-68
NITRODAN; NOTICE OF WITHDRAWAL OF APPROVAL OF NEW-DRUG APPLICATION.
Fed Regist 32(206):14698
24 Oct 1967 L1.451
Ancylostomatidae, Anthelmintics, Dogs, Drugs, Nitrodan, Regulations, Toxocara, Uncinaria.
- 14571-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIMETRIDAZOLE, RESERPINE.
Fed Regist 33(11):599
17 Jan 1968 L1.451
Blackhead, Dimetridazole, Feed additives, Reserpine, Turkeys.
- 14572-68
ON THE LONGEVITY OF CYSTICERCUS BOVIS IN VARIOUS ORGANS IN A BOVINE.
L W Van Den Beever
J Parasitol 53(6):1168
Dec 1967 44B.8 J824
Cattle, Cysticercus, Echinococcosis, Longevity, Viscera.
- 14573-68
RISK OF RESISTANCE TO CHLORAMPHENICOL.
D A Walker A R Taylor R Richardson
Vet Rec 82(12):361
23 Mar 1968 41.8 V641
Antibiotics, Chickens, Chloramphenicol, Erythromycin, Escherichia coli, Mycoplasmosis, Preventive medicine.
- 14574-68
THE TRANSMISSION OF A SPECIFIC ENCEPHALOPATHY OF MINK TO THE GOAT.
I Zlotnik R M Earlow
Vet Rec 81(2):55-57
08 Jun 1967 41.8 V641
Brain diseases, Goats, Minks.
Compared with scrapie and mink encephalopathy.

Arthropods

- 14575-66
BIOLOGICAL NOTES ON EYE-FREQUENTING MOTHS FROM N. THAILAND.
W Euttker
Schweiz Entomol Ges Mitt 39(3/4):151-179 REF
15 Apr 1967 420 SW6
Eyes, Geometridae, Insect behavior, Insect biology, Livestock,
Lycaenidae, Mammals, Mermis, Noctuidae, Pyralidae.

- 14576-68
FOROCEPHEALICIS CAUSED BY ARMIILIFER (NETTCEHYNCHUS)
ARMILLATUS (PENTASTOMIDA) WYMAN 1847 IN CATTLE AND PIG
(MALI AND UPPER VOLTA). (FR.)
A Challier R Gidel S Traore
Rev Elevage Med Vet Pays Trop (N.S.)20(2), 255-259.
1967 41.8 B32E2
Armillifer armillatus, Cattle, Foroccephalosis, Swine.
Abstract

- 14577-68
STUDIES ON THE TRANSMISSION OF SIMIAN MALARIAS. II.
TRANSMISSION OF THE B STRAIN OF PLASMODIUM KNOWLESII
BY ANOPHELES KALAHACENSIS KALAHACENSIS.
W E Collins F G Contacos E G Quinn
J Parasitol 53(4):641-844
Aug 1967 448.8 J824
Anopheles kalahacensis, Insect vectors, Malaria, Monkeys,
Plasmodium knowlesi.
Abstract

- 14578-68
SOME NOTES ON ELEAS (SIPHONAPTERA) OF DOMESTIC ANIMALS
IN NORTHERN TANZANIA (EAST AFRICA).
J E Cooper
Entomologist (London) 101(1257):43-45
Feb 1968 421 EN8
Livestock, Siphonaptera.

- 14579-66
ABERRANT BYPODERMA ICVIS INFECTION IN A COW.
J R Greve D E Cassidy
Amer Vet Med Ass J 150(6):627-628 REF
15 Mar 1967 41.8 AM3
Cattle, Byopderma bovis.
Abstract: An aberrant 3rd instar Byopderma bovis was
found in a lymph node from a cow. Grossly, the result ant
lymphadenitis resembled tuberculosis. The possibility is
suggested that Byopderma larvae may persist for several
months anaerobically in bovine tissues.

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CONTROL OF CHICKEN EGDY, SHAFT, AND WING LICE ON LAYING HENS
BY SELF-TREATMENT WITH INSECTICIDE DUSTS AND GRANULES.
B A Roffman E E Hagan
J Econ Entomol 60(6):1703-1705
Dec 1967 421 J822
Carbophenothion, Chemical control (insects),
Chlorc-1-(2,4,5-trichlorophenyl)vinyl =dimethyl =phosphate =,
Dusting, Iridan, Lipenrus caponis, Menacanthus stramineus,
Menopon gallinae, Poultry, Zytrcn.
Abstract

- 14581-68
THE POSSIBLE EXISTENCE OF TWO STRAINS OF OSTERTAGIA
OSTERTAGI.
J P Michel
Vet Rec 81(27):716
30 Dec 1967 41.8 V641
Cattle, Immunity, Larvae, Ostertagia ostertagi.

- 14582-68
A BIBLIOGRAPHICAL GUIDE TO THE ANIMAL PARASITES AND
ANTHROPIC PESTS OF CEYLON.
M A F Senadhira
Ceylon J Sci Biol Sci 6(2):39-216
Feb 1967 475 C33
Animals, Arthropoda, Bibliography, Insect pests, Parasitism.

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THE FACE FLY, MUSCA AUTUMNALIS (DE GEER), IN MANITOBA.
D L Smith
Entomol Soc Manitoba Proc 22:30-32, MAP
1966 420 EN88
Cattle, Musca autumnalis, Surveys, Zoogeography.
Abstract

- 14584-68
ECTOPARASITES OF CANADIAN BIRDS AND MAMMALS.
N Wilson
Entomol Soc Wash Proc 69(4):349-353 REF
Dec 1967 420 W27
Birds, Ixodides, Mammals, Mites, Parasitic insects,
Parasitism.

Parasites

- 14585-68
SHEEP LIVER FLUKE, FASCIOLA HEPATICA L., 1758 FROM
BUFFALO, BISON BISON (L., 1758) IN WESTERN WYOMING.
R C Bergstrom
J Parasitol 53(4):724
Aug 1967 448.8 J824
Bison, Fasciola hepatica.

- 14586-68
FASCIOLIASIS: FIELD TRIALS OF NITROXYNIL IN SHEEP.
A J Colegrave
Vet Rec 81(12):343-348
23 Mar 1968 41.8 V641
Anthelmintics, Fascioliasis, Nitroxinil, Sheep.
Abstract: 20 mg. per kg. injected subcutaneously arrested
mortality in acutely affected flocks. In advanced outbreaks
death was hastened by the drug. 10 mg. per kg. brought
good clinical response and was well tolerated by sheep.

- 14587-68
VETERINARY THERAPEUTICS WITH EMPHASIS ON ANTHELMINTICS.
R E Dunlop
Fed Amer Soc Exp Biol Fed Proc 26(4):1227-1243 REF
Jul 1967 442.9 F31P
Anthelmintics, Helminthiasis, Livestock diseases, Pesticides,
Therapeutics, Veterinary medicine.

- 14588-68
THE HOST-PARASITE INTERFACE OF CYATHOCOTYLE BUSHIENSIS
KRAN, 1962 (TREMATODA, STRIGOIDAE). II. ELECTRON
MICROSCOPE STUDIES ON THE TEGUMENT.
D A Erasmus
J Parasitol 53(4):703-714 REF
Aug 1967 448.8 J824
Cyathocotyle bushiensis, Ducklings, Electron microscopy,
Trematoda.
Abstract

- 14589-68
ULTRASTRUCTURAL ASPECTS OF OOCYTE DEVELOPMENT AND SHELL
FORMATION IN ASCARIS LUMBRICOIDES.
W E Poor
J Parasitol 53(6):1245-1261 REF
Dec 1967 448.8 J824
Animal physiology, Ascariasis, Ascaris lumbricoides, Cytology,
Oogenesis.
Abstract: Oocytes of A. lumbricoides are attached through-
out their development to an axial rachis by means of cyto-
plasmic bridges. Development of the oocytes is synchronous.
The fine structure of the uterine cells is that of typical
secretory cells.

- 14590-68
ON A NEW SPECIES OF THE NEMATODE GENUS CHABERTIA BAILLIET
AND BERRY, 1909 FROM SHEEP IN KASHMIR.
D N Potedar N Bamroo
Indian J Helminthol 19(2):192-196 REF
Sep 1967 436.8 IN2
Chabertia himalayana, Sheep, Taxonomy.

- 14591-68
ACTION OF NAERTHALOPROS AND YOMESAN AGAINST ASCARIDIA
GALLI AND REITERARIS GALLINARUM IN CHICKENS.
T S Fox M F Hansen

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Nov 1967 41.8 AV5
Anthelmintics, Ascaridia galli, Cecal worms, Chickens,
Diarrhea, Euterakis gallinarum, Naphthalophos, Yomesan.
- 14552-68
HISTOCHEMICAL STUDIES OF CARBOXYLIC ESTERASE ACTIVITY IN
FASCIOLA HEPATICA.
D W Halcro
J Parasitol 53(6):1210-1216 REF
Dec 1967 44.8 J824
Acetylcholinesterases, Carboxylesterase, Fasciola hepatica,
Histochemistry, Nematodes, Sheep.
- 14593-68
A SURVEY OF INTestinal HELMINTHS IN DOGS FROM ALBQUERQUE
NEW MEXICO.
E E Hathaway
J Parasitol 53(6):1240
Dec 1967 44.8 J824
Cestoda, Climate, Dogs, Helminthology, Intestines, Nematodes,
Surveys.
- 14594-68
TOXICITY AND TOXICITY. . .
L Jacobs
Advances Parasitol 5:1-45 REF
1967 43.6 ADS
Animals, Epidemiology, Toxoplasmosis.
Chiefly medical parasitology.
- 14595-68
HISTOCHEMICAL STUDY OF DRUG EFFECTS ON MICE INFECTED WITH
TRICHLIFILIA SPIRIS.
Z Kozar J Zarzycki E Seniuta T Martynowicz
Exp Parasitol 21(2):173-185 REF
Oct 1967 43.6 EX7
Enzymes, Glycogenesis, Histochemistry, Mice, Ribonucleic acid,
Thiazolyl-benzimidazole, 2-(4-, Trichinella spiralis,
Trichlorfon.
Abstract: The changes suggested an inhibition in the meta-
bolism of the muscle tissue, reduced activity of alkaline
phosphatase, succinic acid dehydrogenase, and "a" phosphory-
lase. These drugs also inhibited glycogen synthesis in the
larvae and caused a reduction in RNA content.
- 14596-68
THE STRUCTURE OF THE CLEANING BRUSH ON THE PEDIPALPS OF
SOME AFRICAN BELEPHYGI (ARACHNIDA).
E F Lawrence
J Zool 154(1):1-8 REF
Jan 1968 410.9 L84F
Electron microscopy, Gastrointestinal system, Nematodes,
Nippostrongylus brasiliensis.
- 14597-68
IMMUNITY OF DOGS TO ANCYLOSTOMA BRAZILIENSE INFECTION
FOLLOWING VACCINATION WITH X-IRRADIATED ANCYLOSTOMA
CANINUM LARVAE.
T A Miller
Amer Vet Med Ass J 150(5):508-515 REF
01 Mar 1967 41.8 AM3
Ancylostoma braziliense, Ancylostoma caninum, Dogs, Immunity,
Immunization, X-rays.
Abstract: This interspecific protection, following use of
x-irradiated A. caninum vaccine in pups, may have been
practical significance in prevention of creeping eruption
associated with infection in man with A. braziliense lar-
vae.
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THE BIOLOGY OF THE ACANTHOCEPHALA.
W L Nicholas
Advances Parasitol 5:205-246 REF
1967 43.6 ADS
Acanthocephala, Arthropoda, Biology.
Includes host-parasite interaction in vertebrate and
arthropod hosts.
- 14599-68
METABOLIC TRANSFORMATION OF 14C-GLUCOSE INTO TISSUE PRO-
TEINS OF ANCYLOSTOMA CANINUM.
M E Perez-Gimenez A Gimenez R Gaede
Exp Parasitol 21(2):215-223 REF
Oct 1967 43.6 EX7
Amino acids, Amino transferases, Ancylostoma caninum,
Carbon isotopes, Glucose, Metabolism, Proteins,
Radioactive tracers.
Abstract: During the present study c-14-glucose was taken
up, actively metabolized by A. caninum, and partially
transformed into amino acids and proteins of the parasite.
Aminating enzymes are present in the worm homogenates.
- 14600-68
GROWTH OF THE CESTODE RAILLIETINA CESTICILLUS IN BACTERIA-
FREE CHICKENS.
W M Reid R Rotero
Exp Parasitol 21(2):149-153
Oct 1967 43.6 EX7
Cestoda, Chickens, Germ-free life, Raillietina cesticillus.
Abstract: Survival rate of antibiotic-sterilized cysticer-
coids was 21 worms from 145 cysticeroids in bacteria-free
tapeworms compared to 30 worms from 133 cysticeroids in
similarly parasitized control birds. These trials demon-
strated no contribution to or interference from the normal
bacterial flow of the digestive tract of the fowl in estab-
lishment of infection or in growth rate of the cestode
R. cesticillus.
- 14601-68
THE PATHOLOGY OF FASCIOLA HEPATICA INFECTION IN PIGS: A
COMPARISON OF THE INFECTION IN PIGS AND OTHER HOSTS.
J G Ross C Dow J R Todd
Brit Vet J 123(7):317-322 REF
Jul 1967 41.8 V643
Fascioliasis, Laboratory animals, Livestock, Swine.
Abstract
- 14602-68
ON THE PSEUDOPHYLLIDEAN GENUS SPIROMETRA MUELLER, 1937 IN
INDIAN DOGS.
V K Sahasrabudhe B L Shah
Indian J Helminthol 19(2):87-96 REF
Sep 1967 43.6 IN2
Dogs, Spirometra, Taxonomy.
- 14603-68
INFLUENCE OF PH AND OF SALTS ON THE DEVELOPMENT OF EGGS OF
FASCIOLA HEPATICA. (EN)
M Saint Guillaime M Pecqueur
111(4):251-257
Jun 1967 41.8 AN78
Fasciola hepatica, Hydrogen-ion concentration, Salts.
English and French summaries
Abstract
- 14604-68
THE PRE-INFECTIVE LARVAL STAGES OF STEPHANOPLARIA
ASSAMENSIS, THE CADSATIVE PARASITE OF BUMPSON OF INDIAN
CATTLE.
H D Srivastava S C Dutt R C Malviya
Indian J Helminthol 19(2):81-86 REF
Sep 1967 43.6 IN2
Cattle, Insect vectors, Morphology, Musca condonensis,
Stephanofilaria assamensis, Vermineous dermatitis.
- 14605-68
INCIDENCE OF TOXOCARA CANIS AND OTHER HELMINTH PARASITES OF
DOGS IN MEXICO CITY.
T J Styles
J Parasitol 53(4):822-823 REF
Aug 1967 44.8 J824
Ancylostoma caninum, Dipylidium caninum, Dogs,
Echinococcus granulosus, Parasites, Taenia, Toxocara canis.
Abstract
- 14606-68
EXPERIMENTAL ASCARIDIASIS: INFLUENCE OF CHICKEN AGE AND
INFECTIVE EGG DOSE ON STRUCTURE OF ASCARIDIA GALLI
POPULATIONS.
M S Tongson E M McCraw
Exp Parasitol 21(2):160-172 REF
Oct 1967 43.6 EX7
Aging, Ascariasis, Ascaridia galli, Chickens.
Abstract: The recovery of A. galli from domestic fowl giv-
en 1000 infective eggs when 2-, 4-, 6-, 8-, 12, and 16-weeks old
presented a graded population picture with the total worm
burden declining with age. Most worms resided in the intes-
tine between the bile duct and Meckel's diverticulum.
Both age at infection and infective dose influence the time
of appearance of larval precipitates.

40 COMMODITY PROTECTION

Microbial Contamination

14607-66
AFIATCXIN AND ITS CONTROL.
I A Goldblatt
Econ Ent 22(1):51-62, REF.
Jan 1968 450 EC7
Aflatxin, Aspergillus, Feed toxicity, Food contamination,
Metabolites, Yeasts.

14608-66
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 24(32):20668-20669
21 Dec 1967 11.451
Cotton bags, Dried food, Insecticides, Piperonyl butoxide,
Pyrethrin.

Storage Diseases

14609-66
WHAT VETERINARIANS CAN DO ABOUT THE SALMONELLA PROBLEM.
G B Snoeyink
Amer Vet Med Ass J 151(12):1795-1800 REF
15 Dec 1967 41.6 AM3
Food contamination, Livestock, Man, Salmonella, Wildlife.

Arthropods

14610-66
THE CONSERVATION OF BUILDING TIMBERS: A STUDY OF THE INCI-
DENCE OF WOOD-EATING INSECTS AND WOOD-ROTTING FUNGI IN
BUILDINGS AND OTHER CONTRIBUTIONS TOWARDS THE CONSERVATION
OF BUILDING TIMBERS. TA422.F5.
B E Rickin
144 P. ICKEN BUTCHINSON
1967
Buildings, Fungus diseases (plants), Lumber preservation,
Wood borers, Wood destroying fungi.

14611-66
WHAT'S BEST FOR CONTROLLING STORED PRODUCTS INSECTS,
INCLUDING ECACRES.
J Patton F Fisher I N Febr
Fest Contr 35(11):8,9,11
Nov 1967 445.6 EXE
Eutocate, Chemical control (insects), Diazinon, Dieldrin,
Maled, Scenel, Tribolium castaneum.

14612-68
WOOD- AND BARK-FEEDING COLEOPTERA OF FELLED WESTERN
LARCH IN BRITISH COLUMBIA.
D A Foss
Entomol Soc Brit Columbia Proc 64:23-24
01 Aug 1967 420 B77
Coleoptera, Dendroctonus pseudotsugae, Forest insects,
Larix occidentalis, Logs, Melanophila drummondii,
Serripalpus substriatus, Tetrodium velutinum.
Abstract

14613-68
BARBECUED CHICKEN AS A SOURCE OF FOOD POISONING. (ABSTRACT).
I E Erdman T Barr R Fivnick J I Pataki
Can J Public Health 59(1):32
Jan 1968 449.8 P964
Barbecueing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

14614-68
THE EFFECT OF PH ON THE MULTIPLICATION OF LISTERIA
MONOCYTOGENES IN GRASS SILAGE MEDIA.
A D Irvin
Vet Rec 82(4):115-116
27 Jan 1968 41.8 V641
Grass silage, Hydrogen-ion concentration,
Listeria monocytogenes.
In relation to listeriosis outbreaks in cattle and sheep

14615-68
STAPHYLOCOCCUS FOOD POISONING FROM BARBECUED CHICKEN.
R Fivnick T H R Barr I E Erdman J I Pataki
Can J Public Health 59(1):30-31
Jan 1968 449.8 P964
Barbecueing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

50 ENVIRONMENTAL CONTAMINATION

14616-66

GAS CHROMATOGRAPHY. A METHOD FOR THE DETERMINATION OF PESTICIDE RESIDUES. (SW)
M Akerblom
Sved Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):19-21
1967 464.9 S43V
Chromatography, Pesticides, Soil contamination.

14617-66

SPECTROPHOTOMETRIC DETERMINATION OF SEVIN IN NATURAL WATERS.
O M Aly
Amer Water Works Ass J 59(7):906-912 REP
Jul 1967 252.9 AM32J
Carbamates, Carbaryl, Chemical analysis, Insecticide residues, Spectrophotometry, Water pollution.
Abstract: A method has been developed of sevin and its hydrolysis product, 1-naphthol. It involves the extraction with chloroform and the hydrolysis of Sevin to 1-naphthol, which reacts with 4-aminoantipyrine and an oxidizing agent in alkaline medium to form a red-colored complex. Ammonia-phosphate buffer was used. Free 1-naphthol is removed by a basic aqueous solution and can be determined separately.

14618-66

DSE OF SOIL CONTAMINATED WITH SE-90 FOR SEED PRODUCTION.
E J Evans & J Dekker
Can J Plant Sci 47(3):319-320
May 1967 450 C16
Barley, Feed grains, Oats, Seeds, Soil contamination, Soybeans, Strontium isotopes, Wheat.

14619-66

PERSISTENCE AND DEGRADATION OF FOUR COMMON ISOMERS OF BENZENE HEXACHLORIDE IN DEGRADED SOILS.
I C Mac Fae K Eaghon T F Castro
J Agr Food Chem 15(5):911-914
Sep 1967 381 J8223
Benzene hexachloride, Carbon isotopes, Chilo suppressalis, Chromatography, Degradation, Insecticide residues, Lindane, Radioactive tracers, Rice, Soil microorganisms.
Abstract

14620-66

WATER CHEMISTICAL CONTROLS PSEUDOMONAS AERUGINOSA IN A FARMERY.
E A McDonald & E Finheiro
Amer Vet Med Ass J 151(7):863-864 REP
Oct 1967 41.6 AM3
Chlorine, Pseudomonas aeruginosa, Rabbits, Water treatment.

14621-66

DEGRADATION OF N-(PHTHALIMIDOMETHYL)PHTHALIMIDE-S-(O,O-DIMETHYLPHOSPHORODITHIOATE) (IMIDAN) IN SOILS.
J J Henn J E McBain
J Econ Entomol 58(5):875-876
Oct 1965 421 J822
Degradation,
Dimethyl S-phthalimidomethyl phosporodithioate, O,O-, Insecticide residues, Soil hydrolysis, Soils.

55 RESIDUES

14622-68

TOLEANCES AND EXEMPTIONS FROM TOLEANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. THIAZOLYL-BENZIMIDAZOLE.
Fed Regist 33(82):6343-6344
26 Apr 1968 L1.451
Babanas, Fungicide residues, Thiazolyl-benzimidazole, (2-(4-, Tolerances.

14623-68

TOLEANCES AND EXEMPTIONS FROM TOLEANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETHYL HEXAHYDRO-1 H-AZEPINE-1-CARBOTHIOATE.
Fed Regist 32(212):15107
D1 Nov 1967 L1.451
Ethyl hexahydro-1h-azepine-1-carbothioate, S, Herbicide residues, Rice, Tolerances.

14624-68

A METABOLIC STUDY OF 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLDIBEN- (DIBEN) APPLIED TO CERN SEEDLINGS.
J Agr Food Chem 16(3):426-433
May 1968 381 J8223
Carbon isotopes, Corn, Diben, Herbicide residues, Metabolites, Pesticide analysis, Radioactive tracers.

14625-68

WHAT'S BEHIND THE DDT BATTLE?
131(4):28,30,120
Apr 1968
Ddt, Pesticide residues, Tolerances.

14626-68

TOXIC GROUNDNUT MEAL: THE RELATIONSHIP BETWEEN AFLATOXIN B1 INTAKE BY COWS AND EXCRETION OF AFLATOXIN M, IN MILK.
B Allcroft B A Roberts
Vet Rec 82(4):116-118
27 Jan 1968 41.8 V641
Aflatoxin, Cattle, Milk, Peanut meal.
Concentration in milk in relation to that in feed.

14627-68

QUANTITATIVE MEASUREMENT OF COMBINATIONS OF ARAMITE, DDT, TOXAPHENE, AND ENDRIN IN CROP RESIDUES.
T E Archer
Bull Environ Contamination Toxicol 3(2):71-79
Mar 1968 RA1270.P35A1
Aramite, Chromatography, Crops, Ddt, Endrin, Insecticide residues, Pesticide analysis, Toxaphene.

14628-68

BREAKDOWN OF 14C-CHLORFENVINPHOS INSECTICIDE ON CROPS.
R I Beynon A H Wright
19(3):146-153
Mar 1968
Cabbage,
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Corn, Decomposition, Insecticide residues, Potatoes.

14629-68

DETERMINATION OF PENTHION AND FIVE OF ITS METABOLITES IN CORN, GRASS, AND MILK.
M C Bowman M Beroza
J Agr Food Chem 16(3):399-402
May 1968 381 J8223
Chromatography, Corn, Penthion, Grasses, Insecticide residues, Metabolites, Milk, Pesticide analysis.

14630-68

DETERMINATION OF ALKYL DINITROPHENYL CARBOXYATES AND OTHER ESTERS, WITH PARTICULAR REFERENCE TO DINOBTION, IN FEED AND VEGETABLES.
B Crossley V P Lynch
19(2):57-59
Feb 1968
Crops, Insecticide residues, Pesticide analysis.

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- 14631-68
EXCRETION OF EGT BY MIGRATORY BIRDS.
J M Harvey
Can J Zool 45(5):629-633
Sep 1967 470 C16D
Birds, Excretion, Carbon isotopes, EGT, Excreta,
Insecticide residues, Liver, Radioactive tracers, Starlings.
Abstract
- 14632-68
PESTICIDE RESIDUES IN FOODSTUFFS IN GREAT BRITAIN. V.
MALATHION IN IMPROVED CEREALS.
E G Hill B H Thompson
19(3):119-124
Mar 1968
Grain, Insecticide residues, Malathion.
- 14633-68
APPLICATION OF THE RAPID MICROMETHOD OF SAMPLE CLEANUP FOR
GAS CHROMATOGRAPHIC ANALYSIS OF COMMON ORGANIC PESTICIDES IN
GROUND WATER, SOIL, PLANT AND ANIMAL EXTRACTS.
A M Kadane
Bull Environ Contamination Toxicol 3(2):65-70
Mar 1968 FA1270.F35A1
Animals, Chromatography, Cleanup, Groundwater,
Pesticide analysis, Pesticide residues, Plants, Soils.
- 14634-68
DIAZINON ABSORPTION, TRANSLLOCATION, AND METABOLISM IN BEAN
PLANTS.
A S H Karsch T L Hopkins
J Agr Food Chem 16(3):446-450
May 1968 381 J8223
Beans, Carbon isotopes, Diazinon, Hydrolysis,
Insecticide residues, Metabolism, Plant translocation,
Radioisotopes.
- 14635-68
RESIDUES IN SPINACH GROWN IN DISULFOTON- AND PHORATE-
TREATED SOIL.
B E Menzer I F Litman
J Econ Entomol 61(1):225-229 REF
Feb 1968 421 J822
Chromatography, Disulfoton, Food contamination,
Insecticide residues, Pesticide analysis, Phorate,
Soil contamination, Spinach.
Abstract:
the data reported here show that disulfoton and phorate are
extremely persistent in spinach under cold-weather
conditions.
- 14636-68
THE PARTIAL FECTOLYSIS OF 6-CHLOROPICOLINIC ACID IN AQUEOUS
SOLUTION.
C T Bedemann C B Youngson
3(2):57-105
Mar 1968
Hydrolysis, Pesticide residues, Photochemistry.
- 14637-68
THE FATE OF 4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID IN SPRING
WHEAT AND SOIL.
C T Bedemann B W Peikle P Hamilton V S Banks C B Youngson
3(2):80-98
Mar 1968
Amino-3,5,6-trichloropicolinic acid, 4-, Chromatography,
Herbicide residues, Metabolites, Pesticide analysis, Soils,
Synthesis, Wheat.
- 14638-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
4-(METHYLSULFONYL)-2,6-DINITRO-N,N-DIPROPYLANILINE.
Fed Regist 33(103):7720-7721
25 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
- 14639-68
5,6-DICHLORO-1-PHENOXYCARBONYL-2-TRIFLUOROMETHYLBENZIMID-
AZOLE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 33(104):7776
28 May 1968 L1.451
Apples, Insecticide residues, Tolerances.
- 14640-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2,4-D.
Fed Regist 32(167):12473
29 Aug 1967 L1.451
D, 2,4-, Grain, Herbicide residues, Tolerances.
- 14641-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
2-CHLORO-4,6-BIS (ISOPROPYLAmino)-S-TRIAZINE.
Fed Regist 33(109):8337-8338
05 Jun 1968 L1.451
Feed, Forage plants, Grain, Herbicide residues, Tolerances.
- 14642-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(109):8356-8357
05 Jun 1968 L1.451
Endosulfan, Insecticide residues, Lettuce, Soybeans,
Tolerances.
- 14643-68
SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE. NOTICE OF ESTABLISHMENT
OF TEMPORARY TOLERANCE.
Fed Regist 33(109):8357
05 Jun 1968 L1.451
Peanuts, Pesticide residues, Plant regulators, Tolerances.
- 14644-68
2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)-
OXIME. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
Fed Regist 33(109):8357
05 Jun 1968 L1.451
Cottonseed, Insecticide residues, Potatoes, Temik, Tolerances.
- 14645-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
Mixture of chemicals
- 14646-68
2,4-DICHLOROPHENYL P-NITROPHENYL ETHER. NOTICE OF EXTENSION
OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
- 14647-68
2,4-DICHLOROPHENYL P-NITROPHENYL ETHER. NOTICE OF
ESTABLISHMENT OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Herbicide residues, Tolerances.
- 14648-68
2-(P-TEBT-BUTYLPEROXY) CYCLOHEXYL 2-PROPYNYL SULFITE.
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7776
28 May 1968 80 P9492
Fruits, Insecticide residues, Nuts, Tolerances.
- 14649-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(162):12068
22 Aug 1967 L1.451
Dimethyl S-phthalimidomethyl phosporodithioate, O,O-
Insecticide residues, Tolerances.
- 14650-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(159):11895
17 Aug 1967 L1.451
Beets, Herbicide residues, Pyrazon, Tolerances.
- 14651-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(66):5377
04 Apr 1968 L1.451
Dichloropropionanilide, 3,4-, Herbicide residues, Rice,
Tolerances.
- 14652-68
NOTICE OF AMENDMENT OF PETITION REGARDING PESTICIDES.
Fed Regist 33(102):7700
24 May 1968 L1.451
Beans, Dichlorvos, Insecticide residues, Peanuts, Rice,
Tolerances.
- 14653-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. EPN.
Fed Regist 33(99):7489
21 May 1968 L1.451
Epn, Insecticide residues, Soybeans, Tolerances.

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NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(99):7502
21 May 1968 L1.451
Diphenamid, Herbicide residues, Tolerances, Vegetables.
- 14655-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.
Fed Regist 33(105):7850
29 May 1968 L1.451
Fruit, Fertilizer residues, Nuts, Tolerances, Trifluralin.
- 14656-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(52):4593
15 Mar 1968 L1.451
Beans, Dichlorvos, Insecticide residues, Peanuts, Rice, Tolerances.
- 14657-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-PROPYL DIPHENYLDITHIOCARBAMATE.
Fed Regist 33(49):4407
12 Mar 1968 L1.451
Herbicide residues, Peanuts, Propyl dipropylthiocarbamate, s-, Soybeans, Sweetpotatoes, Tolerances.
- 14658-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. FENCISFAPICCH.
Fed Regist 33(49):4407
12 Mar 1968 L1.451
Insecticide residues, Phosphamidon, Tolerances.
- 14659-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(62):5174
29 Mar 1968 L1.451
Apples, Insecticide residues, Tetrasul, Tolerances.
- 14660-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(62):5174
29 Mar 1968 L1.451
Diphenamid, Herbicide residues, Pesticide analysis, Potatoes, Tolerances.
- 14661-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(62):5173
29 Mar 1968 L1.451
Apples, Chipmunk EF-11974, Cottonseed, Grapes, Insecticide residues, Pears, Potatoes, Tolerances.
- 14662-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(84):5273
02 Apr 1968 L1.451
Insecticide residues, Malathion, Pesticide analysis, Sorghum, Tolerances.
- 14663-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(64):5273
02 Apr 1968 L1.451
Herbicides, Pesticide analysis, Pesticide residues, Soybeans, Tolerances.
- 14664-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(31):2961-2962
14 Feb 1968 L1.451
Cottonseed, Insecticide residues, Temik, Tolerances.
- 14665-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(29):2884
10 Feb 1968 L1.451
Agricultural products, Dinapacryl, Food contamination, Insecticide residues, Tolerances.
- 14666-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE.
Fed Regist 33(34):3111
17 Feb 1968 L1.451
Aziphosmethyl, Insecticide residues, Tolerances.
- 14667-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2,2-DICHLOROVINYL DIMETHYL PHOSPHATE.
Fed Regist 33(34):3112
17 Feb 1968 L1.451
Insecticide residues, Naled, Tolerances, Tomatoes.
- 14668-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE.
Fed Regist 33(34):3112
17 Feb 1968 L1.451
Aziphosmethyl, Cattle, Goats, Insecticide residues, Sheep, Sugarcane, Tolerances.
- 14669-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Cucurbitaceae, Herbicide residues, Tolerances, Trifluralin.
- 14670-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Dimethyl S-phthalidomethyl phosphorodithioate, O,O-, Insecticide residues, Tolerances.
- 14671-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Fungicides, Peanuts, Pesticide residues, Tolerances, Triphenyltin hydroxide.
- 14672-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Butoxy polypropylene glycol, Insecticide residues, Meat, Milk, Tolerances.
- 14673-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(40):3444
28 Feb 1968 L1.451
Agricultural products, Bis-(2,4-dichlorophenoxyethyl) phosphite, Herbicide residues, Tolerances, Tris-(2,4-dichlorophenoxyethyl) phosphite. Mixture of chemicals
- 14674-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(54):4701
19 Mar 1968 L1.451
Chloro-R-isopropylacetanilide, 2-, Herbicide residues, Metabolites, Soybeans, Tolerances.
- 14675-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-ETHYL S-PHENYL ETHYLPHOSPHORODITHIOATE.
Fed Regist 32(169):12604
31 Aug 1967 L1.451
Ethyl S-phenyl ethylphosphonodithioate, O-, Insecticide residues, Tolerances.
- 14676-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Insecticide residues, Phorate, Potatoes, Tolerances.
- 14677-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Fruit, Fungicide residues, Streptomycin, Tolerances.
- 14678-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Diazinon, Insecticide residues, Tolerances.

- 14679-68
EFFECTS OF REDUCTION OF TOLERANCES IN OR ON RAW AGRICULTURAL
COMMODITIES.
Fed Regist 33(28):2787-2788
05 Feb 1968 L1.451
Agricultural products, Ddt, Insecticide residues, Tolerances.
- 14680-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):112067
08 Aug 1967 L1.451
Difolatan, Fungicide residues, Tolerances.
- 14681-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448-11449
08 Aug 1967 L1.451
Fungicide residues, Maneb, Tolerances, Zineb.
- 14682-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448-11449
08 Aug 1967 L1.451
Cynodan dactylon, Dinron, Herbicide residues, Tolerances.
- 14683-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 32(152):11650-11651
11 Aug 1967 L1.451
Azinphosmethyl, Insecticide residues, Soybeans, Tolerances.
- 14684-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11896
17 Aug 1967 L1.451
Beets, Herbicide residues, Propyl butylethylthiocarbamate, S-,
Tolerances, Tometes.
- 14685-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(138):10615
19 Jul 1967 L1.451
Chlorobenzene, N-diallylacetylamide, alpha-, Crops, Herbicides,
Pesticide residues, Tolerances.
- 14686-68
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(158):10615
19 Jul 1967 L1.451
Apples, Butyl-4,6-dinitrophenyl isopropyl carbonate, 2-sec-,
Dinitrobutylphenol, Insecticide residues, Metabolites, Pears,
Tolerances.
- 14687-68
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(146):11091
29 Jul 1967 L1.451
Herbicide residues, Sugarcane, Tolerances, Trifluralin.
- 14688-68
DTT; ESTABLISHMENT OF PESTICIDE AND FOOD ADDITIVE
TOLERANCES.
Fed Regist 32(147):11157
01 Aug 1967 L1.451
Ddt, Hops, Insecticide residues, Tolerances.
- 14689-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
1,1-BIS(4-CHLOROPHENYL)-2,2,2-TRICHLOROETHANOL.
Fed Regist 32(149):11263-11264
03 Aug 1967 L1.451
Dicofol, Bay, Insecticide residues, Tolerances.
- 14690-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(151):11389-11390
05 Aug 1967 L1.451
Atrazine, Herbicide residues, Tolerances.
- 14691-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11449
08 Aug 1967 L1.451
Corn, Ethyl diisobutylthiocarbamate, S-, Herbicide residues,
Tolerances.
- 14692-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11449
08 Aug 1967 L1.451
Dichlorvos, Insecticide residues, Tolerances, Tomatoes.
- 14693-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE
CHEMICALS.
Fed Regist 33(55):4751
20 Mar 1968 L1.451
Amino-3,5,6-trichloropicolinic acid, Herbicide residues,
Tolerances.
- 14694-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE AND FOOD
ADDITIVE MANER (MANGANESE ETHYLENEDIISULFIDOCARBAMATE).
Fed Regist 246(32):20669-20670
21 Dec 1967 L1.451
Feed additives, Fungicide residues, Grain, Maneb, Tolerances.
- 14695-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Dinron, Bay, Herbicide residues, Nuts, Tolerances.
- 14696-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Beets, Herbicide residues, Pyrazon, Sugar beets, Tolerances.
- 14697-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Dimethoate, Insecticide residues, Lemons, Oranges, Tolerances.
- 14698-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(205):14670-14671
21 Oct 1967 L1.451
Alfalfa, Cattle, Endosulfan, Insecticide residues, Tolerances.
- 14699-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Dodine, Fungicide residues, Peanuts, Pecans, Tolerances,
Walnuts.
- 14700-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Gibberellic acid, Pesticide residues, Plant regulators,
Tolerances.
- 14701-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Benzamidoxyacetic acid, Herbicide residues, Sugar beets,
Tolerances.
- 14702-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(221):15721
15 Nov 1967 L1.451
Corn, Herbicide residues, Tolerances,
Trichlorobenzyl chloride.
- 14703-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(223):15848
17 Nov 1967 L1.451
Insecticide residues, Mirex, Tolerances.
- 14704-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(223):15849
17 Nov 1967 L1.451
Fungicide residues, Metabolites, Tolerances.
- 14705-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(232):16507
01 Dec 1967 L1.451
Amino-3,5,6-trichloropicolinic acid, 4-, Barley, Grasses,

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- Herbicide residues, Cane, Sugarcane, Tolerances, Wheat.
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NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Chipman BF-11974, Cottonseed, Fruit, Insecticide residues, Potatoes, Tolerances.
- 14707-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Herbicide residues, Tolerances, Trifluralin.
- 14708-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):307
09 Jan 1968 L1.451
Barley, Corn, Dicamba, Herbicide residues, Metabolites, Oats, Tolerances, Wheat.
- 14709-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Chlorchenzilate, Cottonseed, Insecticide residues, Tolerances, Walnuts.
- 14710-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Bananas, Fungicides, Pesticide residues, Thiazolyl)-benzimidazole, 2-(4-, Tolerances.
- 14711-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):650
18 Jan 1968 L1.451
Celery, Insecticide residues, Methoxychlor, Potatoes.
- 14712-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):651
16 Jan 1968 L1.451
Insecticide residues, Methyl N-((methylcarbamoyl)oxy)thioacetimidate, S-, Tolerances.
- 14713-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):651
18 Jan 1968 L1.451
Insecticide residues, Meat, Milk, Octylbicycloheptenedicarboximide, N-, Tolerances.
- 14714-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Disulfoton, Insecticide residues, Tolerances, Wheat.
- 14715-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1968 L1.451
Insecticide residues, Meat, Milk, Pyrethrin, Tolerances.
- 14716-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1968 L1.451
Herbicide residues, Isopropyl N-(3-chlorophenyl)carbamate, Tolerances.
- 14717-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(174):12868
08 Sep 1967 L1.451
Demeton, Insecticide residues, Tolerances.
- 14718-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(176):12961
12 Sep 1967 L1.451
Insecticide residues, Malathion.
- 14719-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(176):12961-12962
12 Sep 1967 L1.451
Herbicide residues, Peanuts, Potatoes, Propyl dipropylthiocarbamate, S-, Soybeans, Tolerances.
- 14720-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(182):13299
20 Sep 1967 L1.451
Cottonseed, Insecticide residues, Temik, Tolerances.
- 14721-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(185):13424
23 Sep 1967 L1.451
Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine, 2-, Herbicide residues, Tolerances.
- 14722-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(186):13466
26 Sep 1967 L1.451
Insecticide residues, Tolerances, Trichlorfon.
- 14723-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(187):13543
27 Sep 1967 L1.451
Epn, Insecticide residues, Soybeans, Tolerances.
- 14724-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(190):13734
30 Sep 1967 L1.451
Chloro-N-isopropylacetanilide, 2-, Herbicide residues, Metabolites, Soybeans, Tolerances.
- 14725-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(206):14698
24 Oct 1967 L1.451
Ethyl dipropylthiocarbamate, S, Herbicide residues.
- 14726-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(207):14791
25 Oct 1967 L1.451
GS-13005, Insecticide residues, Tolerances.
- 14727-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(202):14407
18 Oct 1967 L1.451
Herbicide residues, Metoluron, Potatoes, Tolerances.
- 14728-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(221):15721
15 Nov 1967 L1.451
Citrus, Fungicide residues, Maneb, Tolerances.
- 14729-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(232):16508
01 Dec 1967 L1.451
Azodrin, Insecticide residues, Soybeans, Tolerances.
- 14730-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Fungicide residues, Tetrachloroisophthalonitrile, Tolerances.
- 14731-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Dichlorallyl diisopropylthiocarbamate, S-2,3-, Herbicide residues, Tolerances.
- 14732-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Chloro-N,N-diallylacetamide, alpha-, Herbicide residues, Tolerances.

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NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):307
09 Jan 1968 11.451
Corn, Herbicide residues, Tolerances,
Trichlorobenzyl chloride.
- 14734-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306-307
09 Jan 1968 11.451
Dichloropropionanilide, 3:,4:, Herbicide residues, Rice,
Tolerances.
- 14735-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(75):5896
17 Apr 1968 11.451
Bis(4-chlorophenyl)-N-methyl-N-methoxyurea, N-(p-
Herbicide residues, Potatoes, Tolerances.
- 14736-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(79):6190
23 Apr 1968 11.451
Benzazidocycloacetic acid, Herbicide residues, Sugar beets.
- 14737-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(2):64
04 Jan 1968 11.451
Cotton, Cottonseed, Defoliants, Endothal, Herbicide residues,
Tolerances.
- 14738-68
PROPOSED REDUCTION IN TOLERANCE IN CORN ON BANANAS.
Fed Regist 33(85):6880-6881
07 May 1968 11.451
Bananas, Diuron, Herbicide residues, Nuts, Tolerances.
- 14739-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. N-BUTYL-
N-ETHYL-ALPHA,ALPHA-TRIFLUORO-2,6-DINITRO-P-TOLUIDINE.
Fed Regist 32(192):13807
04 Oct 1967 11.451
Alfalfa, Birdsfoot trefoil,
Ethyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-toluidine, N-
Clover, Herbicide residues, Peanuts, Tolerances.
- 14740-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(185):13423-13424
23 Sep 1967 11.451
Chloro-2-nitropropane, 1-, Fungicide residues, Tolerances.
- 14741-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE CHEMICAL AND
FOOD ADDITIVE NICKEL SULFATE.
Fed Regist 32(202):14407
18 Oct 1967 11.451
Fungicide residues, Nickel sulfate, Tolerances.
- 14742-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE CHEMICAL AND
FOOD ADDITIVE.
Fed Regist 33(86):6753
02 May 1968 11.451
Azinphosethyl, Cottonseed, Food additives,
Insecticide residues, Potatoes, Soybeans, Tolerances.
- 14743-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(71):5835
11 Apr 1968 11.451
Azinphosmethyl, Food additives, Insecticide residues,
Soybean oil, Tolerances.
- 14744-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):851
18 Jan 1968 11.451
D, 2,4-, Herbicide residues, Tolerances.
- 14745-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. N-BUTYL-
N-ETHYL-ALPHA,ALPHA-TRIFLUORO-2,6-DINITRO-P-TOLUIDINE.
Fed Regist 32(235):17472
06 Dec 1967 11.451
Alfalfa, Birdsfoot trefoil,
Ethyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-toluidine, N-
Clover, Herbicide residues, Lettuce, Peanuts, Tolerances.
- 14746-68
CIS-2,3,5,5-PENTACHLORO-4-KETOPENTENOIC ACID; NOTICE OF
ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(179):13148
15 Sep 1967 11.451
Cottonseed, Defoliants,
Pentachloro-4-ketopentenoic acid, cis-2,3,5,5-,
Pesticide residues, Tolerances.
- 14747-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(71):5635
11 Apr 1968 11.451
Cattle, Dimethoate, Feed, Food additives,
Insecticide residues, Tolerances.
- 14748-68
NOTICE OF FILING OF PESTICIDE AND FOOD ADDITIVE PETITIONS.
Fed Regist 32(223):15849
17 Nov 1967 11.451
Azinphosethyl, Cottonseed, Insecticide residues, Potatoes,
Soybeans, Tolerances.
- 14749-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.
Fed Regist 33(89):6890
07 May 1968 11.451
Herbicide residues, Sugar cane, Tolerances, Trifluralin.
- 14750-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(203):14568-14569
19 Oct 1967 11.451
Insecticide residues, Potatoes, Temik, Tolerances.
- 14751-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
2-CHLORO-N-ISOPROPYLACETANILIDE.
Fed Regist 32(210):14944
28 Oct 1967 11.451
Chloro-N-isopropylacetanilide, 2-, Corn, Herbicide residues,
Sorghum, Tolerances.
- 14752-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-
DIETHYL S-2-(ETHYLTHIO)ETHYL PHOSPHORODITHIOATE.
Fed Regist 32(193):13863
05 Oct 1967 11.451
Coffee, Corn, Demeton, Disulfoton, Insecticide residues,
Sugar cane, Tolerances.
- 14753-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
O,O-DIETHYL O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDINYL)
PHOSPHOROTRITHIOATE.
Fed Regist 32(233):16529
02 Dec 1967 11.451
Diazinon, Insecticide residues, Tolerances.

60 14754-68

60 TOXICOLOGY

- 14754-66
INTERACTION OF DDT AND THE GASTROINTESTINAL MICROFLORA OF THE RAT.
E C Fraunberg V Beck
J Agr Food Chem 16(3):451-453
May 1968 361 J8223
Bacteria, DDT, Feces, Gastrointestinal system, Metabolites, Rats.
- 14755-66
FOISCHING GULLS WITH ALPHA-CHLORALOSE NEAR A NEW ZEALAND AIRFIELD.
T A Caithness
J Wildlife Manage 32(2):279-286
Apr 1968 410 J827
Aircraft, Bird control, Chlchlorose, Gulls.
- 14756-66
BACCTIC AND TOXIC ACTION OF ORGANIC COMPOUNDS ON EMBRYOIC LARVAE.
D J Crisp A C Christie A E A Ghachshy
Compar Biochem Physiol 22(3):629-649 REF
Sep 1967 444-E C75
Embryos, Bactericides, Organic compounds, Toxicity.
Abstract
- 14757-66
TEMIK-S35 METABOLISM IN A LACTATING COW.
W B Dornough G W Ivie
J Agr Food Chem 16(3):460-464
May 1968 361 J8223
Cattle, Feces, Metabolites, Milk, Temik, Urine.
- 14758-66
SECONDARY FOISCHING ASSOCIATED WITH ANTICOAGULANT-KILLED MOUTHA.
J Evans A I Ward
Amer Vet Med Ass J 151(7):856-861 REF
01 Oct 1967 41.6 AM3
Anticoagulants, Dogs, Meat, Minks, Nutria, Poisoning.
Abstract: Secondary poisoning resulted when meat from anticoagulant-killed nutria was fed to commercial mink and mongrel dogs. This occurred with both the coumatrin and indandione anticoagulants; the coumatrin group was represented by 3-(1'-(p-chlorophenyl)-propyl)-4-oxy coumatrin, and a warfarin and sulfaguanoxaline preparation. The indandione group by diphacinone, pindone, and 2-isovaleryl-1,3-indandione calcium salt. Mink and dogs died directly from eating the meat, and a mink and 2 dogs died from hemorrhage when blood samples were taken. Bioassay showed that the poison accumulated in the livers of nutria killed with the coumatrin. The demand for nutria as mink and pet food rules out use of these rodenticides for nutria control.
- 14759-66
SELECTIVE SYNERGISM OF CARBAMATE INSECTICIDES ON HOUSEFLIES BY ARYLALKYLAMINES.
M A Ebbey E T Gordon
J Econ Entomol 58(3):451-455, BRL 455, TABS.
Jun 1965 421 J822
Aryloxyalkylamines, Carbamates, Insecticide synergists, Musca domestica.
- 14760-66
ASPIRIN FOISCHING IN THE CAT.
J D Berrgesell
Amer Vet Med Ass J 151(4):452-455 REF
15 Aug 1967 41.6 AM3
Acetylsalicylic acid, Cats, Gastritis, Hepatitis, Poisoning.
Abstract: A clinical case of aspirin poisoning in the cat is described; the outstanding clinical signs being hyperpnea, hyperpyrexia, depression, and death. This syndrome was experimentally induced in 3 cats, at doses of 5 gr. b.i.d. Pathologic lesions of toxic hepatitis and gastritis were found in all 4 cats.
- 14761-68
AN ATTEMPT TO PRODUCE CHRONIC NITRITE TOXICOSIS IN SWINE.
W T London W Bendersen R F Cross
Amer Vet Med Ass J 150(4):398-402 REF
15 Feb 1967 41.8 AM3
Blood analysis, Methemoglobinemia, Nitrites, Poisoning, Potassium nitrite, Swine.
Abstract: Potassium nitrite was administered orally to pigs to determine the toxic and lethal levels and to measure the methemoglobin response, and other pigs were given sublethal levels to determine the effects of prolonged intake. Pigs given single oral dose ranging from 12.2 to 19.8 mg. per kilogram of body weight developed clinical methemoglobinemia. Pigs given 21.3 mg./kg. or more died. Death occurred when the methemoglobin level reached 76 to 82 percent. Prolonged sublethal intake had little effect on average daily gain or feed conversion. Methemoglobin, packed cell volumes, and total leukocyte counts gradually increased. Serum vitamin A and E levels became lower, but neither clinical signs nor lesions were produced. Growing pigs can tolerate high levels of nitrite over a long period without serious effects.
- 14762-68
THE SAFE USE OF PESTICIDES.
L Lykken
Agr Chem 22(9):35-36
Sep 1967 381 AG8
Accident prevention, Pesticides, Poisoning.
- 14763-68
THE INFLUENCE OF DIET ON TOXICITY OF THE ANTIOXIDANT 1,2-DIHYDRO-6-ETHOXY-2,2,4-TRIMETHYLQUINOLINE.
R E March J Biely V Coates
Can J Physiol Pharmacol 46(2):145-149 REF
Mar 1968 444.8 C16
Antioxidants, Chicks, Diet, Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline, 6-, Feed additives, Proteins.
English and french abstracts
Abstract: Toxicity to chicks of 1,2-dihydro-6-ethoxy-2,2,4-trimethylquinoline (EQ) was significantly greater when the diet was low in protein. When fat supplementation of the diet enhanced EQ toxicity the effect appeared to result from an increase in the energy: protein ratio of the diet rather than from the fat itself. The concentration of EQ in the livers of chicks fed 0.25 percent EQ for 6 weeks was significantly higher when the dietary level of protein was 17 percent than when the level was 23 percent.
- 14764-68
FLUOROSIS IN A HERD OF CATTLE IN KENYA.
M Murray
Bull Epizoot Dis Afr 15(3):259-262
Sep 1967 41.8 B872
Cattle, Fluorosis, Poisoning.
- 14765-68
ETHYLENE GLYCOL POISONING IN POULTRY.
C Riddell S W Nielsen E J Kersting
Amer Vet Med Ass J 150(12):1531-1535 REF
15 Jun 1967 41.8 AM3
Calcium oxalate, Chickens, Ethylene glycol, Geese, Poisoning.
Abstract: A field case of suspected ethylene glycol poisoning in geese is described in which the principal lesions were calcium oxalate crystals in renal tubules and walls of cerebral vessels. Chickens were experimentally exposed to EG in drinking water. All birds given 25.0 ml./L. or more had renal oxalosis. Birds on continuous lower levels for 2 weeks were not affected clinically, but some had calcium oxalate crystals in the renal tubules.
- 14766-68
CHEMOSTERILANT PROPERTIES, CYTOTOXICITY, AND MAMMALIAN TOXICITY OF APROLATE AND OTHER P-N RING CHEMICALS.
S S Ristich R B Ratcliffe D Perlman
J Econ Entomol 58(5):929-932
Oct 1965 421 J822
Aprolate, Chemosterilants, Mammals, Mice, Musca domestica, Toxicity.
- 14767-68
CHLORDANE AS A POSSIBLE TOXIC HAZARD IN BEEKEEPING.
W A Stephen E Rodgson
J Econ Entomol 55(3):409
Jun 1962 421 J822
Apiculture, Bees, Beeswax, Chlordane, Toxicology.

14768-66

FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION.
OXYTETRACYCLINE, CARBENICILLIN.
Fed Regist 33(2):73
04 Jan 1968 L1.451
Carbencillin, Chickens, Food additives, Oxytetracycline,
Respiratory diseases, Tolerances.

14765-66

TEMPORARY ADSORPTION ON A SUBSTRATE OF AN OIL-SPILL REMOVER
(DETERGENT); TESTS WITH LARVAE OF SABELLARIA SPINULOSA.
D F Wilser
Mar Biol Ass Uk J 48(1):183-186
Feb 1968 442.5 M331
Aquatic animals, Detergents, Larvae, Toxins.

14770-66

PROPERTIES OF TOXIC PESTICIDE EXTRACTS. (ABSTRACT).
S J Yau C E Jackson
J Dairy Sci 51(4):625
Apr 1968 44.8 J822
Acids, Animal physiology, Chromatography, Fescue,
Poisonous plants, Fats.
Abstract of paper presented at the American Dairy Science
Association Southern Division annual meeting, Louis-
ville, Feb. 5-7, 1968

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

14771-68

THE EFFECT OF WILTING ON REDOX POTENTIAL OF CEREAL LEAVES.
J Beuade
Biol Plant 9(6):447-453
1967 450 B52
Fungus diseases (plants), Grain, Leaves,
Oxidation-reduction potential, Plant disease resistance,
Plant water relations.
Abstract: The redox potential of wilted leaves of cereal
seedlings grown in a greenhouse was higher than in fresh
leaves. The cause of the change redox potential is dis-
cussed in connection with the outgrowth of cereals and resis-
tance against obligate parasites.

14772-68

PRODUCTION OF AFLATOXINS B1 AND G1 IN CHEMICALLY DEFINED
MEDIUM.
N D Davis U L Diever V P Aguihotri
Mycopathol Mycol Appl 31(3-4):251-256
28 Apr 1967 450 M994
Aflatoxin, Aspergillus flavus, Culture media.

14773-68

METHOD OF CONTROLLING PLANT GROWTH. PATENT 3,375,096.
T A Girard
US Patent Office Offic Gaz 848(4):1022
26 Mar 1968 156.65 OF2
Chlorinated hydrocarbons, Patents, Plant growth inhibitors.

14774-68

DEPENDENCE OF LONGITUDINAL GROWTH OF THE HYPOCOTYLS OF
LACTUCA SATIVA L. ON THE LEVEL OF EXOGENOUS GIBBERELLIN
GA3 AND ON THE TYPE OF ILLUMINATION.
J Bradilic
Biol Plant 9(5):368-371
1967 450 B52
Fluorescent lamps, Gibberellic acid, Lettuce, Light,
Plant physiology.

14775-68

EFFECTS OF DIRECT CONTACT OF PINE SEEDS OR YOUNG SEEDLINGS
WITH COMMERCIAL FORMULATIONS, ACTIVE INGREDIENTS, OR INERT
INGREDIENTS OF TRIAZINE HERBICIDES.
T T Kozlowski S Sasaki
Can J Plant Sci 48(1):1-7 REF
Jan 1968 450 C16
Atrazine, Herbicides, Pinus resinosa, Propazine, Seedlings,
Seeds, Simazine, Tree injuries, Triazines.
Abstract

14776-68

THE GROWTH OF VARIOUS FILAMENTOUS FUNGI AND YEASTS ON
N-ALKANES AND KETONES. I. STUDIES ON SUBSTRATE
SPECIFICITY.
C E Lowery J W Foster P Jurtshuk
Arch Mikrobiol 60(3):246-254 REF
09 Jan 1968 442.8 AB26
Culture media, Fungi, Ketones, Paraffins, Plant physiology.
Abstract: Ninety-five fungi were tested for their ability
to grow on liquid mineral media containing n-alkanes as sole
source of carbon. Of 29 filamentous fungi tested, 18 were
capable of growing on n-alkanes. Of 66 yeasts only 11 ex-
hibited this ability, predominantly Candida, Rhodotorula
and Debaryomyces. Of the hydrocarbon utilizing filamentous
fungi and yeasts, almost all were capable of growing on n-
alkanes having a chain length of 10 carbon atoms or more.
Only a few of the filamentous fungi grew on the short
chain n-alkanes. Of the 8 hydrocarbon utilizing yeasts ex-
amined, only 5 grew on a few ketones.

14777-68

METHOD FOR REGULATING PLANT GROWTH. PATENT 3,376,126.
W C McCoune R W Bahu
US Patent Office Offic Gaz 849(1):165
02 Apr 1968 156.65 OF2
Fertilizers, Patents, Plant regulators, Plants,
Potassium azide, Soil bacteria, Soil microorganisms,
Soil sanitation.

65 14778-68

14778-66

EFFECT OF ADDITIONAL FACTORS ON MYCELIAL GROWTH AND SPORULATION OF CANADIAN ISOLATES OF ASCOCHYTA IMPERFECTA PECK.
E W Mead
Phytopathology 52(1):21
Jan 1962 464.6 P56
Alfalfa, Ascochyta imperfecta, Culture media, Fungi, Plant nutrition, Spore germination.

14779-66

DEFOLIATION OF FLAXES. PATENT 3,378,364.
E L Menville E E Carroll
US Patent Office Offic Gaz 849(3):768
16 Apr 1968 156.65 OF2
Arsenic compounds, Cotton, Defoliation, Patents, Soybeans.

14780-66

A MODIFIED FEAN ROOT INITIATION TEST FOR AUXINS AND INHIBITORS.
F A Fcapst A E Burke S H Nelson
Can J Plant Sci 47(3):263-266 REF
May 1967 450 C16
Beans, Ecological assay, Plant growth inhibitors, Plant regulators, Tissues.
Abstract: Removal of tissues above the cotyledonary node from leafy stem cuttings of beans, after inhibition and prior to potting in root initiation tests, increased the sensitivity to growth inhibitors, and reduced the variation in control plants. Response to auxin increased slightly to small amounts and declined for larger amounts.

14781-66

EFFECT OF ENVIRONMENTAL CONDITIONS ON SCLEROTIA AND CLEISTOTHECIA FORMATION IN ASPERGILLUS.
J N Bai J F Tewari A K Sinha
Mycopathol Mycol Appl 31(3-4):209-224 REF
28 Apr 1967 450 M954
Aspergillus, Culture media, Environment, Plant physiology.
Abstract: Observations on the effect of certain environmental conditions viz. pH, light, temperature of incubation, oxygen-deficient conditions and various relative humidity values on sclerotia production by Aspergillus have been presented.

14782-66

CONTRIBUTION TO THE QUESTION OF DIRECT INFLUENCE OF ALPHANAPHTHALENEACETIC ACID ON INITIATION OF FRUIT BUDS ON APPLE TREES.
J Sahulka
Eiol Plant 9(5):352-393
1967 450 P52
Apples, Naphthaleneacetic acid, Plant regulators, Thinning (fruit).

14783-66

THE PHYSIOLOGICAL ROLE OF BORON IN PLANTS. (BDS)
M J Shklar
Bot Zbur (Moscow) 52(2):259-275 REF
Feb 1967 451 B923
Boron, Plant physiology.

14784-66

PAIRWISE CHROMATOGRAPHIC ANALYSIS BY A NEW TEST METHOD OF ANTIBIOTIC SUBSTANCES IN PLANT EXTRACTS AND POSSIBLE RELATIONS OF THESE SUBSTANCES TO PLANT GROWTH INHIBITORS. (GE)
B Soding K Dorffling
Arch Mikrobiol 60(2):182-200 REF
1968 442.8 A526
Acer pseudoplatanus, Bactericides, Chromatography, Peas, Plant extracts, Plant growth inhibitors, Sunflowers.
English and German abstracts
Abstract: Chromatogram segments are inoculated with microbes, kept in a moist chamber for 1 day and then placed on agar medium. Growth of bacteria is stopped or retarded in the presence of bactericides. If Serratia marcescens is used as test organism, a retardation or missing of pink coloration is observed too. Ether extracts from buds of Acer pseudoplatanus, shoots of peas and sunflowers were chromatographed in isopropanol/water/ammonia 80:15:5 and were tested by with Serratia marcescens, Pseudomonas fluorescens and Aerobacter aerogenes. All contain bactericidal substances. Chromatograms contained substances inhibiting growth of Avena and germination of Lepidium. Synthetic D,L-absicisin II showed no bactericidal activity. Therefore, bactericidal substance in sycamore and pea cannot be identical with the growth and germination inhibitor at the same position.

70 CHEMISTRY

14785-68

GAS CHROMATOGRAPHIC DETERMINATION OF DIETHYL PMDABATE IN MALATHION EXTRACTS AND PREPARATIONS USED FOR CONTROL OF BODY LICE.
F Acree B B Turner M Beroza
J Econ Entomol 61(2):457-459
Apr 1968 421 J822
Chromatography, Diethyl fumarate, Electron capture, Malathion, Pediculus humanus humanus.
Abstract

14786-68

POTENTIOMETRIC DETERMINATION OF PHOSPHINE.
B Berck
J Agr Food Chem 16(3):415-418
May 1968 381 J8223
Fumigants, Pesticide analysis, Phosphine, Potentiometry.

14787-68

SEPARATION OF AFLATOXIN ON SELECTIVELY DEACTIVATED SILICIC ACID.
E V Crisan E Mazzucca
Boyce Thompson Inst Contrib 23(11):361-365
Jul 1967 451 B69
Aflatoxin, Aspergillus flavus, Chromatography, Plant extracts, Silicic acid.
Abstract: Activated silicAR, Mallinckrodt type CC-4, permitted recovery of 87 percent of the aflatoxin B1 contained in a crude extract. Methods of purifying the remaining aflatoxin G are also described.

14788-68

THE DETERMINATION OF PHOSPHORUS DISTRIBUTION BY THIN LAYER CHROMATOGRAPHY. (GE)
E Eetschik E Steger
J Chromatography 31(2):369-374 REF
Dec 1967 475 J824
Chromatography, Organophosphorus compounds.
English and German abstracts.
Abstract: The distribution of phosphorus on thin-layer chromatograms can be determined, although the recovery of phosphorus from undissolved layer material after mineralisation of organophosphorus compounds is incomplete. With test mixtures of aliphatic phosphorus thioesters distribution values with a standard deviation of 1.2 percent (abs.) were found. Mineralisation was accomplished with a mixture of periodic and perchloric acid. Phosphorus was determined by the vanadate method.

14789-68

PREPARATION OF THE PROTOISOMERS OF ALDRIN AND DIELDRIN.
J D Bosen W F Carey
J Agr Food Chem 16(3):536-537
May 1968 381 J8223
Aldrin, Dieldrin, Isomers, Photochemistry.

80 ENGINEERING

- 14790-68
CARE AND MAINTENANCE OF THE ONE-GALLON STAINLESS STEEL
SPRAYER.
W L Breth
Pest Contr 36(5):16,18,20
May 1968 449.8 EX8
Accident prevention, Insecticides, Maintenance,
Pest control operators, Spraying equipment.
- 14791-68
A TEMPERATURE CONTROLLED SHAKER FOR MICROBIAL CULTURES.
E V Crisaf
Boyce Thompson Inst Contr 23(11):379-380
Jul 1967 411 E69
Culture media, Equipment, Fungi, Microbiology, Temperature.
- 14792-68
INFLUENCE OF NEAR-ULTRAVIOLET OUTPUT OF ATTRACTANT LAMPS ON
CAPTURES OF INSECTS BY LIGHT TRAPS.
J F Bcllinsworth A W Bartstack O A Lindquist
J Econ Entomol 61(2):515-521
Apr 1968 421 J822
Attractants, Helicthis zea, Insect collecting equipment,
Light traps, Trichoplusia ni, Ultraviolet rays.
Abstract
- 14793-68
A LIGHT-WEIGHT CAGE TO CONFINE SMALL INSECT PREPARATIONS WITH
THEIR FEED ON THE HOST PLANT.
E I Hirstburgh D Asquith
J Econ Entomol 61(2):572-573
Apr 1968 421 J822
Food plants, Insect cages, Predaceous insects.
- 14794-68
EQUIPMENT AND EQUIPMENT ANALYSIS FOR ARTEROPOD CONTROL.
E A Philen
Fla Anti-weed Ass Rep 38:64-67
07 May 1967 420 F663
Arthropoda, Equipment, Insect control.
- 14795-68
DISTRIBUTION OF RELEASED JAPANESE BEETLES IN A GRO OF
TEARS.
F B Schwartz
J Econ Entomol 61(2):423-426
Apr 1968 421 J822
Insect dissemination, Insect traps, Popillia japonica.
Abstract

90 INDUSTRY
Economics

- 14796-68
PESTICIDE CHEMICALS, THE MAGIC OF MODERN FARMING.
P C Brickley
Nat Agr Chem Ass News Pesticide Rev 26(4):3-4
Apr 1968 421 AG8
Agricultural research, Pesticides.
- 14797-68
WHERE DO WE STAND NOW?
L A Dowler
Aerial Appl 6(4):6-7
Apr 1968 333.8 AE8
Aerial spraying, Aircraft, Pest control operators,
Pesticide application, Prices.
- 14798-68
RESEARCH ON PESTS AND THEIR CONTROL.
W C Shaw
Nat Agr Chem Ass News Pesticide Rev 26(4):5
Apr 1968 421 AG8
Pest control.

Education

- 14799-68
PESTICIDES HANDBOOK PUBLISHED BY USDA.
Anonymous
Aerial Appl 5(5):8
May 1967 333.8 AE8
Handbooks, Pesticide application, Pesticides,
Safety education, Storage.



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